



CURRICULUM VITAE

Raymond Sawaya, M.D.

PRESENT TITLE AND AFFILIATION

Primary Appointment

Anne C. Brooks and Anthony D. Bullock, III Distinguished Chair in Neurosurgery, Department of Neurosurgery, The University of Texas MD Anderson Cancer Center, Houston, TX

Professor and Chairman, Department of Neurosurgery, The University of Texas MD Anderson Cancer Center, Houston, TX

Dual/Joint/Adjunct Appointment

Adjunct Professor, Baylor College of Medicine, Houston, TX

CITIZENSHIP

United States

EDUCATION

Degree-Granting Education

St. Joseph University, Beirut, Lebanon, MD, Lebanon, French State Medical Diploma, 1974, Medicine

Postgraduate Training

Surgical Internship, Surgical Internship (PGY I), Beekman Downtown, New York, NY, Richard Nolan, MD, 7/1974-6/1975

Residency in Surgery (PGY 2), Surgery, Upstate Medical Center, Syracuse, NY, Dr. Watts, 7/1975-6/1976

Residency Pediatric Neurosurgery, Pediatric Neurosurgery, Children's Hospital Medical Center, Cincinnati, OH, 7/1976-6/1977

Residency in Neurosurgery (PGY 3 - PGY 7), Department of Neurosurgery, Neurosurgery, University of Cincinnati College of Medicine, Cincinnati, OH, Robert McLaurin, MD, 7/1976-6/1981

Microneurosurgery, Johns Hopkins Hospital, Baltimore, MD, 1/1981-1981

Chief Resident in Neurosurgery, Neurosurgery, Johns Hopkins Hospital, Baltimore, MD, Donlin Long, MD, 1/1981-6/1981

Visiting Scientist, Surgical Neurology, National Institutes of Health, NINCDS, Bethesda, MD, Paul Kornblith, MD, 7/1981-10/1982

Laser Surgery, Mayfield Neurological Institute, Cincinnati, OH, 1/1982-1/1982

Stereotactic Implantation of Interstitial Radiation, University of California San Francisco, San Francisco, CA, 5/1984-1/1984

Leadership, Executive Development Program, Rice University, Houston, TX, 1/1991-6/1991

ISG Viewing Wand, Use of the ISG Viewing Wand: A 3-D Neurosurgical Intraoperative Navigational Device, University of Toronto, Toronto, Canada, 1/1994-12/1995

Leadership, Faculty Leadership Academy, MD Anderson Cancer Center, Houston, TX, 1/2005-12/2005

Leadership, Leadership Development Course, Baylor College of Medicine, Houston, TX, 9/2008-5/2009

CREDENTIALS

Board Certification

ECFMG 196871, 1/1973

FLEX: New York State 00341, 1/1976

Neurosurgical Board-In-training Examination, 1/1979

American Board of Neurological Surgery, 1/1985

Licensures

Active

Raymond Sawaya, MD, OH, 48293, 11/1982-1/2018

Raymond Sawaya, MD, TX, H9146, 2/1991-5/2016

Inactive

KY, 23870, 1/1985

EXPERIENCE/SERVICE

Academic Appointments

Assistant Professor, Department of Neurosurgery, The University of Cincinnati College of Medicine, Cincinnati, OH, 1982-1987

Chief of Neurosurgery Service, Department of Neurosurgery, Veterans Administration Medical Center, Cincinnati, OH, 1983-1990

Associate Professor, Department of Neurosurgery, University of Cincinnati College of Medicine, Cincinnati, OH, 1987-1990

Professor and Chairman, Department of Neurosurgery, The University of Texas MD Anderson Cancer Center, Houston, TX, 1990-present

Professor and Chairman, Department of Neurosurgery, Baylor College of Medicine, Houston, TX, 2005-2014

Adjunct Professor, Baylor College of Medicine, Houston, TX, 2014-present

Administrative Appointments/Responsibilities

Director, Brain Tumor Center, University of Cincinnati College of Medicine, Cincinnati, OH, 1985-1990

Director, Brain Tumor Center, The University of Texas MD Anderson Cancer Center, Houston, TX, 1999-present

Member, President's Advisory Board, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 2001-2006

Member, Clinical Council, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 2001-2006

Member, Research Council, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 2001-2006

Member, President's Management Committee, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 2004-2006

Other Appointments/Responsibilities

N/A

Endowed Positions

Mary Beth Pawelek Endowed Chair in Neurosurgery, The University of Texas M. D. Anderson Cancer Center, Houston, TX, 9/2000-2/2004

Anne C. Brooks and Anthony D. Bullock, III Distinguished Chair in Neurosurgery, The University of Texas MD Anderson Cancer Center, Houston, TX, 3/2004-present

Consultantships

Ministry of Health, Government of Singapore, Republic of Singapore, Consultant, Consultant, 1/1992-12/1992

Direct Therapeutics, Inc, Yorktown Heights, Consultant, Consultant, 1994-2000

Transmissible Spongiform Encephalopathies Advisory Committee, FDA, Center for Biologics Evaluation & Research, Bethesda, MD, Consultant, Consultant, 1997

Food and Drug Administration, Center for Devices and Radiological Health, Rockville, MD, Consultant, Consultant, 1997-present

Military or Other Governmental Service

N/A

Institutional Committee Activities

Promotions Committee, Division of Surgery, Chairman, 1/1991-1/1992

Search Committee for Chairman of Department of Anesthesiology Committee, Member, 1/1992-12/1992

Committee to Evaluate the Status of Minority and Women Faculty, Faculty, Administrators and Administrative Staff Committee, Member, 1/1992-1999

Search Committee for Director of Laser Biology Research Committee, Member, 1/1992-present

Managed Care Task Force Operations and Customer Service Committee, Member, 1/1993

Search Committee for Chairman, Department of Surgical Oncology Committee, Co-Chairman, 1/1993-12/1993

Faculty Classification Committee for Academic Affairs Committee, Member, 1/1993-1/1996

Brain Tumor Center Committee, Associate Director, 1/1993-1/1999

President's Endowed Positions Advisory Committee, Member, 1/1994-1/1997

Research and Medical Library Advisory Committee, Member, 1/1995-1/1997

Research and Medical Library Advisory Committee, Chair, 1/1997-1/1998

Search Committee for Chairman of Department of Plastic Surgery, Chair, 1/1998-1/1999

Diagnostic Imaging Users Group Task Force, Member, 1/1999-1/2000

Subcommittee of the Faculty Peer and Grievance Review Committee Conclusive Stage: Conflict Management Process, Member, 1/1999-1/2000

Search Committee for Chairman of Department of Pediatrics, Member, 1/2000-1/2001

Search Committee for Chairman of The Department of Diagnostic Imaging, Member, 1/2000-1/2001

Search Committee for Department of Neuro-Oncology Research Faculty, Member, 1/2001-1/2002

Search Committee for Chairman of The Department of Critical Care, Member, 1/2001-1/2002

The Multi-Year Award to Non-Tenure Track Faculty Committee, Chairman, 1/2001-1/2002

Blue Ribbon Committee formed to perform a comprehensive review of clinical trials research at M. D. Anderson Cancer Center, Member, 1/2002-1/2003

Search Committee for Chairman of The Department of Anesthesiology, Chairman, 1/2003-1/2004

Management Committee, U.T. M. D. Anderson Cancer Center, Member, 1/2004-1/2006

Department of Neuro-Oncology Research Faculty Search Committee, Member, 2006-2007

Baylor College of Medicine, Advisory Committee of the Leadership Institute, Member, 2007-present

Baylor College of Medicine Department of Medicine Chairman Search Committee, Member, 2007-present

MDACC/BCM Joint Search Committee - Dept of Psychiatry, Chairman, 3/2008-present
BCM Chairman, OB/GYN, Search Committee, Member, 2009-2010
BCM, Presidential Search Committee, Member, 2010
MD Anderson Cancer Center, Search Committee for Vice President of Clinical Research, Member, 2010-present
Charles A. LeMaistre Outstanding Achievement Award in Cancer Committee, Member, Invited, 2013
Clinical Faculty Review Committee (CFRC), The University of Texas MD Anderson Cancer Center, Invited Member, 2014-2017
Search Committee, Department of Translational Molecular Pathology, Invited Member, 6/2014-present
Defining the Department Chair Role Task Force, Invited Member, 2015
Making Cancer History Patient Care Award Selection Committee, Invited Member, 2015

HONORS AND AWARDS

Fogarty International Fellow, National Institutes of Health, 1981-1982
Second Prize, Poster Committee, American Association of Neurological Surgeons, 1988-1989
Associate Membership to the 1989 Authors, Composers Library Guild of the University of Cincinnati, 1989-1990
The Wilder Penfield Award, The Middle East Neurosurgical Society, 1992-1993
Who's Who of Emerging Leaders in America, Second Edition, 1993-1994
Best Doctors in America, Woodward/White, Inc, 1994-1995
Guest Examiner, American Board of Neurological Surgeons, 1994-1995
Best Doctors in America National Survey, American Health Magazine, 1996-1997
Joseph P. Evans Award in Neurosurgery, University of Cincinnati, 1996-1997
The International Directory of Distinguished Leadership, 8th Edition, 1998-1999
Honorary Member, International Biographical Centre Advisory Council, Cambridge, England, 1999-present
2000 Outstanding Intellectuals of the 20th Century, International Biographical Centre, 2000-2001
Best Doctors, 2001-2002
Frank H. Mayfield Lecture, University of Cincinnati, 2003-2004
John Green Lecture, Barrow Neurological Institute - Phoenix, AZ, 2003-2004
La Crolla Family Brain Tumor Lecture, University of Toronto, 2004-2005
Sandie Altman Memorial Lecture, University of Pennsylvania, 2004-2005
Examiner, Oral Board Exams, American Board of Neurological Surgery, Houston, TX, 2005-2006
America's Top Doctors for Cancer (2nd Edition), 2006-2007, 2011-2012, 2012-2014, 2016
Listed in Houston's Top Doctors, H Texas Magazine, 2006
Strathmore's Who's Who, 2006-2007
Who's Who in Medicine and Healthcare, 2006-2007
Who's Who, Honoring Executives and Professionals, 2006
Best Doctors in America, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2013-2014
International Advisory Board Member, Lebanese American University, 2007-present

Charles Eckert Memorial Lecturer, University of Albany, 2008-2009

Journal of Neuro-Oncology Award, 2008

2009 Charles Wilson Award, AANS, 2009-2010

Greenwood Lecturer, The University of Texas Medical Branch, Department of Neurosurgery, 2011-2012

Mealey Lecturer, (Inaugural) Indiana University School of Medicine, 2011

Ronald L. Bitner Lecturer, AANS, 2011-2012

Guide to America's Top Surgeons, 2012

Honored Guest, 29th Congress of the Brazilian Society of Neurosurgery, Rio de Janeiro, Brazil, September 7-12, 2012

Keynote Lecturer, South Carolina Association of Neurological Surgeons Annual Meeting, Columbia, SC, November 9-10, 2012

Samuel Hassenbusch, III Lecture, Texas Association of Neurological Surgeons Annual Meeting, Houston, TX, 2012

Top Doctors: Southeastern Texas Regional Guide, 2012

Charles Taylor Lecture, University of Calgary, Division of Neurosurgery, Department of Clinical Neurosciences, 2013

Examiner, Oral Board Review, American Board of Neurological Surgery, Houston, TX, 2013

Global Directory of Who's Who, 2013

Outstanding Scientific Achievement Award, 2013 American Lebanese Medical Association Symposium and Gala, Houston, TX, February 2, 2013

Ben Qurrah Award, Houston Chapter of the Arab American Medical Association, 2014

Honored Guest, The National Arab American Medical Association (NAAMA), Houston Chapter Seminar, Houston, TX, May 10, 2014

Honored Guest, 1st Brain Tumor Update, San Salvador, El Salvador, July 11-12, 2014

The Hans-Dietrich Herrmann Lecture for Clinical & Experimental Neuro-Oncology, University of Hamburg Eppendorf, 2014

Inaugural Dr. Raymond Sawaya Lecture, Presented by Dr. Ziya L. Gokaslan, Baylor College of Medicine, 2015

Joint Section on Tumors Distinguished Service Award, AANS/CNS Joint Section on Tumors, 2015

Keynote Speaker, St. John Medical Center Cancer Symposium: Comprehensive Management of Brain Tumors, September 17-18, 2015

Raymond Sawaya Undergraduate Scholarship Award, Presented to Brady Douglas and Yumara Suarez, MD Anderson School of Health Professions Scholarship Luncheon, October 2, 2015

Dr. Raymond Sawaya Award, Inaugural Recipient, Society for Neuro-Oncology Latin America 2016 Update on Neuro-Oncology, Rio de Janeiro, Brazil, 2016

Keynote Speaker, Society for Neuro-Oncology Latin America 2016 Update on Neuro-Oncology, Rio de Janeiro, Brazil, March 24-26, 2016

RESEARCH

Grants and Contracts

Funded

N/A

Pending

N/A

Other

N/A

Completed

Principal Investigator, NINDS Research Education Programs for Residents and Fellows in Neurology, Neurosurgery, Neuropathology and Neuroradiology, 1R25NS070694-02S1, NIH/NINDS, 3/2010-3/2015, \$530,840 (\$50,535/year)

Not Funded

N/A

Protocols

Funded

Collaborator, Phase II evaluation of accelerated fractionation radiation therapy with infusional BudR followed by CCNU, procarbazine and vincristine (PCV) chemotherapy for the treatment of malignant gliomas, DM88-113, PI - Levin V, 1995-1998, MD Anderson Cancer Center

Collaborator, Phase I trial of intratumoral injection of DT1-015 for recurrent malignant gliomas, ID95-115, PI - S. Hassenbusch, 1995-2001, MD Anderson Cancer Center

Collaborator, Stereotactic fractionated radiotherapy using a mini multileaf collimator (MMLC) and a relocatable frame for brain tumors, ID97-011, PI - M. Maor, 1998-2002, MD Anderson Cancer Center

Collaborator, A prospective study of the outcomes of patients with brain metastasis, ID98-090, PI - Abi-Said D, 1999-2001, MD Anderson Cancer Center

Collaborator, Incidence of seizures in patients with newly diagnosed glioma and relationship to prophylactic antiepileptic drugs, NS98-158, 2001, MD Anderson Cancer Center

Principal Investigator, Collection of disease and outcomes data for patients with central nervous system disorders, PCR02-581, 2001-2003, MD Anderson Cancer Center

Unfunded

Collaborator, Cell Kinetic Analysis of Human Brain Tumors with Bromodeoxyuridine (BUDR), DM89-004, PI - Victor A. Levin, MD, 1989-1996, MD Anderson Cancer Center

Collaborator, Phase I Evaluation of Accelerated Fractionation Radiation Therapy with Infusional BUDR Followed by CCNU, Procarbazine, and Vincristine (PCV) Chemotherapy for the Treatment of malignant gliomas, ID92-005, PI - Victor A. Levin, MD, 1992-1995, MD Anderson Cancer Center

Principal Investigator, A Preliminary Diagnostic Evaluation Study on the Use of Autofluorescence for the Delineation of Brain Tumor During Surgery, NSP93-001, 1993-1994, MD Anderson Cancer Center

Principal Investigator, A Pilot Study of the Use of an Intra-Operative Locator Device (ISG Viewing Wand) in the Surgery of Multiple Intracranial Metastases, NSP93-002, 1993-1995, MD Anderson Cancer Center

Collaborator, Phase II Evaluation of Accelerated Fractionation Radiation Therapy with Infusional BUDR followed by CCNU, Procarbazine, and Vincristine (PCV) Chemotherapy for the Treatment of Supratentorial GBM and Gliosarcoma, DM93-088, PI - Victor A. Levin, MD, 1993-1998, MD Anderson Cancer Center

Collaborator, Intratumoral Indium-111 and Yttrium-90 Labeled Anti-Tenascin Therapy for Recurrent High Grade Gliomas, ID94-023, PI - Moshe Maor, MD, 1994-1996, MD Anderson Cancer Center

Collaborator, A pilot study of cerebral blood flow, cerebral oxygenation and cerebrovascular reserve in brain hemispheres ipsilateral and contralateral to brain tumors before and after craniotomy, ID94-001, PI - R. Jones, 1994-2001, MD Anderson Cancer Center

Collaborator, Phase I Trial of Intramural Injection of DTI-015 for Recurrent Malignant Gliomas, ID95-115, PI - Samuel J. Hassenbusch, MD, PhD, 1995-2005, MD Anderson Cancer Center

Collaborator, Stereotactic Fractionated Radiotherapy using a mini Multileaf Collimator (MMLC) and a Relocatable Frame for Brain Tumors, ID97-011, PI - Moshe Maor, MD, 1997-2004, MD Anderson Cancer Center

Collaborator, Surgery vs Stereotactic Radiosurgery in the Treatment of single Brain Metastasis: A Randomized Prospective Trial, NS97-199, PI - Frederick Lang, MD, 1997-2005, MD Anderson Cancer Center

Principal Investigator, Surgery with Whole Brain Radiation Therapy versus Whole Brain Radiation Therapy Alone in the Treatment of Multiple Brain Metastases: A Prospective Randomized Trial, ID98-028, 1998-2000, MD Anderson Cancer Center

Principal Investigator, Outcomes of Patients Undergoing Surgery for Glioma, BS97-338, 1998-2002, MD Anderson Cancer Center

Collaborator, Phase I Evaluation of Weekly Paclitaxel and Concurrent Whole Brain Radiation for Patients with Melanoma and Multiple, Unresectable Brain Metastases, ID98-301, PI - Nicholas Papadopoulos, MD, 1998-2003, MD Anderson Cancer Center

Collaborator, Surgery versus stereotactic radiosurgery in the treatment of single brain metastases: A randomized prospective trial, NS97-199, PI - Lang FF, 1998-2005, MD Anderson Cancer Center

Collaborator, Incidence of Seizures in Patients with Newly Diagnosed Glioma and Relationship to Prophylactic Antiepileptic Drugs, NS98-158, PI - Dima Suki, PhD, 1999-2001, MD Anderson Cancer Center

Co-Principal Investigator, A Prospective Study of the outcomes of patients with Brain Metastases, ID98-090, 1999-2002, MD Anderson Cancer Center

Collaborator, Phase I/II Study of the Safety and Tolerability of DTI-015 in Patients with Recurrent GBM, ID00-128, PI - Samuel J. Hassenbusch, MD, PhD, 2000-2003, MD Anderson Cancer Center

Collaborator, Prospective, randomized trial of prophylactic phenytoin for patients undergoing resection of metastatic brain tumors, ID99-318, PI - Lang FF, 2000-2006, MD Anderson Cancer Center

Collaborator, Spinal Reconstruction Using Synthes Spine Synex System Following Corpectomy/Vertebrectomy in Tumor Patients, ID01-442, PI - Ziya I. Gokaslan, MD, 2001-2002, MD Anderson Cancer Center

Collaborator, Critical Care Pathway for Craniotomy in Patients with Primary Parenchymal or Metastatic Brain Tumors, RCR01-276, PI - Dima Suki, PhD, 2001-2003, MD Anderson Cancer Center

Collaborator, Critical Care Pathway for Stereotactic Biopsy in Patients with Primary Parenchymal or Metastatic Brain Tumors, RCR01-550, PI - Dima Suki, PhD, 2001-2005, MD Anderson Cancer Center

Collaborator, Phase I Study to Assess the histologic Effect and Safety of Preoperative and Post Operative Infusions of IL13-PE38QQR Cytotoxin in Patients with Recurrent Resectable Supratentorial Malignant Glioma, NS01-127, PI - Frederick Lang, MD, 2001-2005, MD Anderson Cancer Center

Collaborator, Whole Brain Radiation following Surgical Resection in Patients with Newly-Diagnosed Brain Metastases: A Phase III Prospective Randomized Trial, ID01-546, PI - Jeffrey Weinberg, MD, 2001-2005, MD Anderson Cancer Center

Principal Investigator, Research use of central nervous system tumor tissue obtained during surgery, LAB02-601, 2002-2003, MD Anderson Cancer Center

Collaborator, Adenovirus-Mediated p53 Gene Therapy for Brain Tumors: A Phase I Clinical Trial using Convection Enhanced Delivery, ID02-615, PI - Frederick Lang, MD, 2002-2004, MD Anderson Cancer Center

Collaborator, A Phase II Study Utilizing the Gliasite RTS Radiation Therapy System for the Treatment of a Resected Solitary Brain Metastasis, NS01-172, PI - Frederick Lang, MD, 2002-2005, MD Anderson Cancer Center

Collaborator, Critical Role of ND-KB Activation in Necrosis Formation of Human Glioblastoma, LAB02-498, PI - Suyun Huang, MD, PhD, 2002-2007, MD Anderson Cancer Center

Collaborator, Markers of Distant Metastasis in Breast Cancer, LAB02-647, PI - Funda Meric-Bernstam, 2002-2011, MD Anderson Cancer Center

Principal Investigator, The application of microarray technology to the study of necrosis in glioblastoma multiforme, LAB02-477, 2002-present, MD Anderson Cancer Center

Collaborator, Esophageal Carcinoma Metastasis to the Brain, RCR03-251, PI - Jeffrey Weinberg, MD, 2003, MD Anderson Cancer Center

Principal Investigator, Surgery after Stereotactic Radiosurgery for Brain Metastases, RCR03-0733, 2003-2005, MD Anderson Cancer Center

Collaborator, Critical Role of Stat3 Activation in Brain Metastasis of Human Tumors, RCR03-133, PI - Suyun Huang, MD, PhD, 2003-2008, MD Anderson Cancer Center

Collaborator, A Prospective National Study of Molecularly and Genetically Characterized Human Gliomas, NABTC01 -07, PI - Kenneth Aldape, MD, 2003-2009, MD Anderson Cancer Center

Principal Investigator, Collection of disease and outcome data, blood samples, and tumor tissue obtained during neurosurgery, LAB03-221, 2003-present, MD Anderson Cancer Center

Principal Investigator, Analysis of Central Nervous System Metastasis of Carcinoid Tumors, RCR04-0136, 2004-2005, MD Anderson Cancer Center

Collaborator, Phase III, Randomized Evaluation of Convection Enhanced Delivery of IL13-PE38QQR Compared to Gliadel Wafer with Survival Endpoint in Glioblastoma Multiforme Patients at First Recurrence, 2003-914, PI - Frederick Lang, MD, 2004-2006, MD Anderson Cancer Center

Principal Investigator, Pineal Cyst Apoplexy: A Case Report and Review of the Literature, RCR04-902, 2004-2006, MD Anderson Cancer Center

Collaborator, Neurocognitive Outcomes and Central Nervous System Inflammation in High Grade Glioma Patients Treated with Indomethacin While Undergoing Radiation - A Pilot Study, 2004-312, PI - Amy Heimberger, MD, 2004-2007, MD Anderson Cancer Center

Collaborator, Phase I Study of Convection Enhanced Delivery (CED) of IL13-PE38QQR Infusion After Resection Followed by Radiation Therapy with or without Temozolomide in Patients with Newly Diagnosed Supratentorial Malignant Glioma, 2004-0501, PI - Frederick Lang, MD, 2004-2007, MD Anderson Cancer Center

Principal Investigator, Transcallosal Approach for Tumors: Complications and Avoidances, RCR04-621, 2004-2007, MD Anderson Cancer Center

Collaborator, A Complementary Trial of an Immunotherapy Vaccine Against Tumor Specific EGFRvIII, 2003-0343, PI - Amy Heimberger, MD, 2004-2011, MD Anderson Cancer Center

Collaborator, A Phase I Sequential Ascending Dose Trial of AP23573 in Patients with Progressive or Recurrent Malignant Glioma, 2005-093, PI - Alfred W. Yung, MD, 2005-2006, MD Anderson Cancer Center

Co-Principal Investigator, Intraventricular Meningioma, RCR-5-566, 2005-2008, MD Anderson Cancer Center

Collaborator, Immunotherapy with EGFRvIII Peptide and Concurrent Temozolomide for Newly Diagnosed GBM Patients, 2005-849, PI - Amy Heimberger, MD, 2005-present, MD Anderson Cancer Center

Principal Investigator, Protocol for Database Review of the Surgical Management of CNS Diseases at M. D. Anderson Cancer Center, RCR05-771, 2005-present, MD Anderson Cancer Center

Principal Investigator, Collection and Storage of Tissue and Blood Samples and Assessment of Tumor Markers from Patients Undergoing Neurosurgical Procedures for the Management of Central Nervous System Diseases, LAB06-008, 2006-present, MD Anderson Cancer Center

Collaborator, Intraoperative Optical Imaging of Brain Function, 2006-102, PI - Jeffrey Weinberg, MD, 2008-2010, MD Anderson Cancer Center

Co-Principal Investigator, Diagnosis and Treatment of Malignant Brain Neoplasma in Texas: Outcome and Cost Data from the Blue Cross Blue Shield Claims Database, PA14-0054, 2014-present

Patents and Technology Licenses

Patents

N/A

Technology Licenses

N/A

Grant Reviewer/Service on Study Sections

The National Brain Tumor Foundation Grant Awards Committee, Member, 1997-present

Ovarian Cancer Research Program Development Awards Committee, U. T. M.D. Anderson Cancer Center, Member, 1998-1999

Trainee Recognition Day Awards Committee, The University of Texas M.D. Anderson Cancer Center, Member, 1998-1999

The University of Texas, M. D. Anderson Cancer Center, PRS Scientific Review Committee Grant Awards, Member, 1998-2003

The University of Texas, M. D. Anderson Cancer Center, Institutional Research Program, Study Section Review Committee for Clinical, Translational, and Population-base Projects Biannual Grant Review, 1999-2003

NCCN Central Nervous System Panel, Member, 2001-2006

Brain Tumor Committee presentation at the Southwest Oncology Group Practice Site Visit/Committee Review Retreat, Reviewer, 2002-2003

The American Association of Neurological Surgeons Annual Meeting Abstract Review Committee, Member, 2002-2003

The American Association of Neurological Surgeons Section on Tumors Satellite Symposium Abstract Review Committee, Member, 2002-2003

Special Emphasis Panel to assess the merit of applications in response to PAR03-124, Novel Technologies for In Vivo Imaging (R21/R23), Department of Health and Human Services, National Institutes of Health, National Cancer Institute, NIH, Member/Consultant, 2003

NIH Study Section entitled Image-Guided Interventions: Trial Design Methodology Workshop, NIH, Participant, 2004

G75 Special Emphasis Panel, review of R25 grant applications, March, NIH/NINDS, Member, 2014

University of Colorado School of Medicine, Department of Neurosurgery, External Review Site Visit, March 17-19, Site Visitor, 2015

Massachusetts General Hospital, Department of Neurosurgery, External Review Committee, Jan. 21-22, Member, 2016

PUBLICATIONS

Peer-Reviewed Original Research Articles

1. Eggers F, Lukin R, Chambers AA, Tomsick TA, Sawaya R. Iatrogenic carotid-cavernous fistula following Fogarty catheter thromboendarterectomy. Case report. *J Neurosurg* 51(4):543-5, 10/1979. PMID: 479937.
2. Tornheim PA, McLaurin RL, Sawaya R. Effect of furosemide on experimental traumatic cerebral edema. *Neurosurgery* 4(1):48-52, 1979. PMID: 450215.
3. Sawaya R. Injury to cranial nerves during carotid endarterectomy. *Neurosurgery* 8(4):512-3, 4/1981. PMID: 7242907.
4. Sawaya R, McLaurin RL. Dandy-Walker syndrome. Clinical analysis of 23 cases. *J Neurosurg* 55(1):89-98, 7/1981. PMID: 6972441.
5. Heffez DS, Sawaya R, Udvarhelyi GB, Mann R. Spinal epidural extramedullary hematopoiesis with cord compression in a patient with refractory sideroblastic anemia. Case report. *J Neurosurg* 57(3):399-406, 9/1982. PMID: 7097337.
6. Sawaya R, Donlon JA. Chronic disseminated intravascular coagulation and metastatic brain tumor: a case report and review of the literature. *Neurosurgery* 12(5):580-4, 5/1983. PMID: 6866245.
7. Sawaya R, Sonnino V, McLaurin RL, Perrotta G. Monitoring of antifibrinolytic therapy following subarachnoid hemorrhage. The importance of CSF fibrin/fibrinogen degradation products. *J Neurosurg* 58(5):699-707, 5/1983. PMID: 6834119.
8. Hesselbrock R, Sawaya R, Means ED. Acute spontaneous subdural hematoma. *Surg Neurol* 21(4):363-6, 4/1984. PMID: 6701770.
9. Tew JM, Jr, Feibel JH, Sawaya R. Brain tumors: clinical aspects. *Semin Roentgenol* 19(2):115-28, 4/1984. PMID: 6328672.
10. McArdle DQ, Sawaya R, Khodadad G. Brain tumor and achondroplasia: a case report and review of the literature. *Neurosurgery* 15(1):111-3, 7/1984. PMID: 6472587.
11. Sawaya R, Decourteen-Meyers G, Copeland B. Massive preoperative pulmonary embolism and suprasellar brain tumor: case report and review of the literature. *Neurosurgery* 15(4):566-71, 10/1984. PMID: 6493467.
12. Sawaya R, Cummins CJ, Kornblith PL. Brain tumors and plasmin inhibitors. *Neurosurgery* 15(6):795-800, 12/1984. PMID: 6239988.
13. Sawaya R. Epsilon-aminocaproic acid in the management of ruptured cerebral aneurysms. *Contemp Neurosurg* 6:1 - 8, 1984.
14. Sawaya R, Cummins CJ, Smith BH, Kornblith PL. Plasma fibronectin in patients with brain tumors. *Neurosurgery* 16(2):161-5, 2/1985. PMID: 3974826.
15. Hesselbrock R, Sawaya R, Tomsick T, Wadhwa S. Superior sagittal sinus thrombosis after closed head injury. *Neurosurgery* 16(6):825-8, 6/1985. PMID: 3892357.
16. Jabre A, Sawaya R, Arthur S. Decerebrate posturing with the syndrome of inappropriate secretion of antidiuretic hormone. *Surg Neurol* 23(1):56-8, 1985. PMID: 3964978.
17. Sawaya R, Mandybur T, Ormsby I, Tew JM, Jr. Antifibrinolytic therapy of experimentally grown malignant brain tumors. *J Neurosurg* 64(2):263-8, 2/1986. PMID: 3003264.
18. Arand AG, Sawaya R. Intraoperative chemical hemostasis in neurosurgery. *Neurosurgery* 18(2):223-33, 2/1986. PMID: 2421194.
19. Tobler WD, Sawaya R, Tew JM, Jr. Successful laser-assisted excision of a metastatic midbrain tumor. *Neurosurgery* 18(6):795-7, 6/1986. PMID: 3736810.
20. Zuccarello M, Sawaya R, deCourten-Meyers G. Glioblastoma occurring after radiation therapy for meningioma: case report and review of literature. *Neurosurgery* 19(1):114-9, 7/1986. PMID: 3018623.
21. Mandybur TI, Sawaya R, Ormsby I. The morphology and biologic behavior of human glioblastoma growing in nude mice. *Cancer* 58(5):1061-9, 9/1986. PMID: 3089577.
22. Zuccarello M, Sawaya R, Lukin R, deCourten-Myers G. Spontaneous cerebellar hematoma associated with chronic cerebellar stimulation. Case report. *J Neurosurg* 65(6):860-2, 12/1986. PMID: 3490550.

23. Sawaya R. The Brown-Roberts-Wells stereotactic system in the management of intracranial lesions. *Contemp Neurosurg* 8:1-6, 1986.
24. Zuccarello M, Powers G, Tobler WD, Sawaya R, Hakim SZ. Chronic posttraumatic lumbar intradural arachnoid cyst with cauda equina compression: case report. *Neurosurgery* 20(4):636-8, 4/1987. PMID: 3587560.
25. Sawaya R, Zuccarello M, Highsmith R. Alpha-1-antitrypsin in human brain tumors. *J Neurosurg* 67(2):258-62, 8/1987. PMID: 3496430.
26. Zuccarello M, Sawaya R, Ray MB. Immunohistochemical demonstration of alpha-1-proteinase inhibitor in brain tumors. *Cancer* 60(4):804-9, 8/1987. PMID: 3297299.
27. Barkhaus PE, Means ED, Sawaya R. Ligature injury to the accessory nerve. *J Neurol Neurosurg Psychiatry* 50(10):1382-3, 10/1987. PMID: 3681318.
28. Nazek M, Mandybur TI, Sawaya R. Hyalinizing plasmacytic granulomatosis of the falx. *Am J Surg Pathol* 12(4):308-13, 4/1988. PMID: 2451439.
29. Sawaya R, Highsmith R. Plasminogen activator activity and molecular weight patterns in human brain tumors. *J Neurosurg* 68(1):73-9, 1988. PMID: 3335914.
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N/A

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Abstracts

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Book Chapters

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36. Lang FF, Abi-Said D, Chang EL, Wildrick DM, Sawaya R. Metastatic Brain Tumors. In: Youmans Neurological Surgery. W. B. Saunders Company, 1077-1097, 2004.
37. Huang S, Prabhu S, Sawaya R. Molecular and biological determinants of invasiveness and angiogenesis in central nervous system tumors. In: Genomic and Molecular Neuro-Oncology.. Jones and Bartlett Publishers, 97-118, 2004.
38. Sawaya RE, Weinberg JS. Principles of brain tumor surgery in adults. In: Cancer of the nervous system.. Lippincott Williams and Wilkins, 141-153, 2005.
39. Lang FF, Sawaya R. Supratentorial cerebral metastases. In: Operative Neurosurgery. Churchill Livingstone, 2005.
40. Weinberg JS, Sawaya R. Surgical treatment of brain tumors. In: Atlas of Cancer. Current Medicine, Inc., 2005.
41. Sawaya R. General Principles of Brain Tumor Surgery. In: Atlas of Neurosurgical Techniques. Thieme: New York, 441-421, 2006.

42. Mehta MP, Buckner JC, Sawaya R, Cannon G. Neoplasms of the central nervous system. In: In DeVita VT, Lawrence TS, Rosenberg SA, (eds). DeVita, Hellman, and Rosenberg's Cancer: Principles and Practice of Oncology., 8th. Lippincott Williams & Wilkins: Philadelphia, PA, 1975-2032, 2008.
43. Sawaya R, Wildrick D. Surgery Perspective. In: In Chin L, Regine W, (eds). Principles and Practice of Stereotactic Radiosurgery. Springer-Verlag: Heidelberg, Germany, 193-199, 2008.
44. Brem H, Chiocca EA, Sawaya R. Brain tumors: general considerations. In: Youmans Neurological Surgery. Vol. 2, 6th. Ed(s) Winn HR. Elsevier Saunders: Philadelphia, PA, 1075-1076, 2011.
45. Hassaneen W, Sawaya R. Epidermoid, dermoid and neurenteric cysts. In: Youmans Neurological Surgery. Vol. 2, 6th. Ed(s) Winn HR. Elsevier Saunders: Philadelphia, PA, 1523-1528, 2011.
46. Lang FF, Chang EL, Suki D, Wildrick DM, Sawaya R. Metastatic brain tumors. In: Youmans Neurological Surgery. Vol. 2, 6th. Ed(s) Winn HR. Elsevier Saunders: Philadelphia, PA, 1410-1425, 2011.
47. Lee I, Sawaya R, Levine N. Intraoperative non-hematologic adjuvant methods for preventing blood loss. In: Handbook of Bleeding and Coagulation for Neurosurgeons. Ed(s) Hamilton M, Couldwell W, Pineo G, Golfinos J. Thieme: New York. In Press.

Books (edited and written)

1. Sawaya R. Ed(s) Tew JM. Laser applications in neurosurgery. Vol. 2 No. 2. Hanley & Belfus, Inc., 1987.
2. Sawaya R (Editor). Fibrinolysis and the central nervous system. Hanley & Belfus, Inc: Philadelphia, 1990.
3. Sawaya R, Rao JS, Ligon BL (Guest Editors). Special Issue: Hemostatic factors in brain tumors. 22. J Neuro-Onc, 1994.
4. DeMonte F, Ligon BL, Sawaya R (Guest Editors). Special Issue: Meningiomas. 29. J Neuro-Onc, 1996.
5. Sawaya, Raymond (Section Editor). Cancer of the nervous system. Blackwell Science, Inc, 1997.
6. Sawaya, Raymond (Section Editor). Practice of neurosurgery. Williams & Wilkins: Baltimore, 1997.
7. Sawaya R, Wildrick D (Guest Editors). Special Issue: The role of surgery in the treatment of malignant gliomas. In: J Neuro-Onc. 42, 3rd issue. J Neuro-Onc, 1999.
8. Sawaya, Raymond (Editor). Intracranial metastases: Current Management Strategies. Futura Publication Co, Inc: New York, 2004.
9. Linsky ME, Sawaya R (Guest Editors). Special Issue: Celebrating the Section on Tumors (AANS/CNS) 20th anniversary. In: J Neuro-Onc. 69 (1-3), 2004.
10. Sawaya, Raymond (Section Editor). Textbook of Neuro-Oncology. Elsevier Saunders: Philadelphia, PA, 2005.

Letters to the Editor

1. Sawaya R. Carotid endarterectomy: Technical improvements. Neurosurg 8:512, 1981.
2. DeMonte F, Sawaya RS. Aggressive Meningeal Tumors. J Neurosurg 83:379-380, 1995.
3. Sawaya R. RE: Reoperation for recurrent metastatic brain tumors. Surgery or radiosurgery. J Neurosurg 86:169-170, 1997.
4. Ali-Osman F, Srivenugopal K, Sawaya, R. RE: The DNA-repair gene MGMT and the clinical response of gliomas to alkylating agents. N Engl J Med 344:687, 3/2001.
5. Sawaya R, Suki (Abi-Said) D. RE: A multivariate analysis of 416 patients with glioblastoma multiforme: prognosis, extent of resection, and survival. J Neurosurg 96:810, 3/2002.
6. Sawaya R, Suki (Abi-Said) D. RE: A multivariate analysis of 416 patients with glioblastoma multiforme: prognosis, extent of resection, and survival. J Neurosurg 98:226, 2003.
7. Sawaya R. RE: A recurrent craniopharyngioma illustrates the potential usefulness of urinary matrix metalloproteinases as noninvasive biomarkers: case report. Neurosurgery 60 (6):1148-1149, 6/2007.

Manuals, Teaching Aids, Other Teaching Publications

1. Sawaya R, Lukin R, Mandybur T. Craniopharyngioma, 60 minutes, 1985.
2. Sawaya R, Hawley D, Gruppo R, Ho P. Management of Brain Tumors, 60 minutes, 1985.
3. Sawaya R, Lukin R, Hawley D, DeCourte-Myers G, Ho P. Solitary Intracranial Lesions, 60 minutes, 1985.
4. Sawaya R. Spinal Metastasis: Evaluation and Management, 60 minutes, 1985.
5. Sawaya R. Stereotactic Biopsy, 22 minutes, 1985.
6. Sawaya R. Cervical Cord Meningioma, 60 minutes, 1986.
7. Sawaya R, Chambers A, Hawley D. Management of Pineal Region Tumors, 60 minutes, 1986.
8. Sawaya R. Brain Tumors and Thromboembolism, 60 minutes, 1987.
9. Sawaya R. Stereotactic Procedures in the Evaluation of Intracranial Lesions, 60 minutes, 1987.
10. Sawaya R, Breneman J. Radiation Necrosis, 60 minutes, 1988.
11. Sawaya, Raymond. Cancer Bulletin. Vol 45, Number 4. MD Anderson Cancer Center: Houston, 1/1993.
12. Sawaya R. Shades of Gray, 30 minutes, 1993.
13. Sathyan P, Zinn PO, Marisetty AL, Liu B, Kamal MM, Singh SK, Bady P, Lu L, Wani KM, Veo BL, Gumin J, Kassem DH, Robinson F, Weng C, Baladandayuthapani V, Suki D, Colman H, Bhat KP, Sulman EP, Aldape K, Colen RR, Verhaak RG, Lu Z, Fuller GN, Huang S, Lang FF, Sawaya R, Hegi M, Majumder S. Mir-21-Sox2 Axis Delineates Glioblastoma Subtypes with Prognostic Impact. 11;35, 45. J Neurosci., 11/2015.
14. Li YM, Suki D, Hess K, Sawaya R. The influence of maximum safe resection of glioblastoma on survival in 1229 patients: Can we do better than gross total resection? 124, 4. J Neurosurg., 4/2016.
15. Liu Q, Liu Y, Li W, Wang X, Sawaya R, Lang FF, Yung WK, Chen K, Fuller GN, Zhang W. Genetic, epigenetic, and molecular landscapes of multifocal and multicentric glioblastoma. 130, 4. J Neurosurg., 587-97, 10/2015.
16. Lee HT, Xue J, Chou PC, Zhou A, Yang P, Conrad CA, Aldape KD, Priebe W, Patterson C, Sawaya R, Xie K, Huang S. Stat3 orchestrates interaction between endothelial and tumor cells and inhibition of Stat3 suppresses brain metastasis of breast cancer cells. 30;6, 12. Oncotarget., 10016-29, 4/2015.
17. Shen Q, Sahin AA, Hess KR, Suki D, Aldape KD, Sawaya R, Ibrahim NK. Breast cancer with brain metastases: clinicopathologic features, survival, and paired biomarker. 20, 5. Oncologist., 466-73, 5/2015.

Other Publications

1. Book Review. Apuzzo MLJ (ed) Malignant cerebral glioma. Neurosurg 29(5):792 1991
2. Book Review. Ligon BL, Brock M, Banerji AK, Sambasivan M (eds). Modern neurosurgery, vol 2 World Federation of Neurosurgical Societies, 1992 Neurosurg 34: 767-768, 1994.
3. Book Review. RE: Wolfgang Seeger (ed), Microsurgery of Intracranial Tumors, Vol 1, Supratentorial Tumors. New York, Springer-Verlag, 1995. Neurosurg 29:1268-1996.
4. Book Review. RE: Jerome B Posner (ed), neurologic complications of cancer, Philadelphia, F.A. Davis & Co., 1995. Neurosurg 38:612-614, 1996.
5. Book Review. Symon L, Calliauw L, Cohadon F, Guidetti B, Lowe F, Nornes H, Pasztor E, Pertuiset B, Pickard JD, Yasargil MG: Advances and technical standards in neurosurgery, Springer-Verlag (eds), Vol. 17, New York: Wien, 1990. J Neurosurg 73(6): 965, 1990.

EDITORIAL AND REVIEW ACTIVITIES

Editor/Service on Editorial Board(s)

Editorial Board, Neurosurgery, 1990-2007

Editorial Board, Journal of Neuro-Oncology, 1991-present

Editor, Annals of Surgical Oncology, 1992-1995

Section Editor, Annals of Surgical Oncology, 1993-2002

Editorial Board, The Journal of Radiosurgery, 1997-2001

Editorial Board, Neuro Oncology, 1997-2010

Associate Editor, The American Society of Clinical Oncology, People Living with Cancer, 2004-2009

Member, International Advisory Board, Journal of Korean Neurosurgical Society, 2005-present

International Committee of Editors, Einstein, 2008-present

Specialty Editor, Journal of Clinical Oncology, ASCO Cancer Communications Committee, Specialty Editor focusing on CNS Cancers for the 2009 edition of Clinical Cancer Advances, produced by the ASCO Cancer Communications Committee for publication in the Journal of Clinical Oncology, 2009-2010, 2009-present

Section Editor, Annals of Surgical Oncology, 2014-2017

Member of Editorial Review Board

N/A

Journal Reviewer

Reviewer, Cancer, 1991-present

Reviewer, Head & Neck, 1991-present

Reviewer, Surgical Neurology, 1995-present

Reviewer, Medical Principles and Practice, International Journal of the Kuwait University, 1996-present

Reviewer, Clinical Cancer Research, 1999-present

Reviewer, The New England Journal of Medicine, 1999-present

Other Editorial and Review Activities

Specialty Editor, Clinical Cancer Advances 2009, American Society of Clinical Oncology, Served as Specialty Editor for Clinical Cancer Advances 2009 "Major Research Advances in Cancer Treatment, Prevention, and Screening" a report from the American Society of Clinical Oncology, 2009-present

TEACHING

Teaching Within Current Institution - The University of Texas MD Anderson Cancer Center

Formal Teaching

Courses Taught

Speaker, Brain tumors: Neurosurgical advances
5/1991

Lecturer, Medical laser applications: lessons from neurosurgery
9/1991

Lecturer, Clinical applications of stereotactic radiosurgery, Department of Radiation Physics, The University of Houston M.D. Anderson Cancer Center
2/1992

Lecturer, History of neurological surgery
8/1992

Lecturer, Thromboembolic complications in brain tumors
8/1992

Lecturer, Fibrinolytic enzymes and their inhibitors in radiation necrosis of rat spinal cord/U251 invasion usi
9/1992

Lecturer, Laser didactic course
9/1992

Instructor, Laser Didactic Course

- 9/1993
Speaker, Stereotactic surgery
6/1994
Speaker, Applications of lasers in neurosurgery and hands-on principles of use of CO2 laser
10/1994
Lecturer, Brain metastasis: Recent trends in evaluation
10/1995
Lecturer, Brain and meningeal metastasis: The role of surgery, direct effects of systemic cancer on the centra, The Brain Tumor Center/ The University of Texas MD Anderson Cancer Center
1/1996
Lecturer, Laser didactic course
10/1996
Lecturer, Surgical therapy of brain metastases
1/1997
Lecturer, The role of imaging in brain tumor surgery
2/1997
Grand Rounds Speaker, The comprehensive brain tumor center: A neurosurgical perspective
9/1997
Lecturer, Phase III trials for patients with multiple brain metastases
3/1998
Speaker, Brain metastasis: When, where and what...Part I – Advances in surgical therapy: Are they ever inoperab
8/1998
Speaker, Third ventricular tumors
12/1998
Speaker, Comprehensive multidisciplinary brain tumor center
8/1999
Speaker, Third ventricular tumors: Patient selection and choice of operative approaches
3/2001
Speaker, Principles of Neurosurgical Intervention for Gliomas
11/2001
Speaker, Clinical Prediction and Treatment of Brain Metastasis: Surgical Treatment
2/2003
Speaker, Principles of Neurosurgical Intervention for Glioma
2/2003
Lecturer, New Techniques in Surgery of Brain Tumors, Departments of Neuro-Oncology and Neurosurgery
2/2004
Lecturer, New Techniques in Surgery of Brain Tumors, The University of Texas MD Anderson Cancer Center Department of Neuro-Oncology Core Curriculum Lecture
2/2005
Lecturer, New Techniques in Surgery of Brain Tumors, The University of Texas MD Anderson Cancer Center, Neuro-Oncology Core Curriculum Lecture
6/2006

Lecturer, New Techniques in Brain Tumor Surgery, The University of Texas MD Anderson Cancer Center, Neuro-Oncology Core Curriculum Lecture
2/2007

Lecturer, New Techniques in Surgery of Brain Tumors, The University of Texas MD Anderson Cancer Center, Neuro-Oncology Core Curriculum Lecture
5/2008

Lecturer, New Techniques in Surgery of Brain Tumors, The University of Texas MD Anderson Cancer Center, Neuro-Oncology Core Curriculum Lecture
4/2009

Lecturer, New Techniques in Surgery of Brain Tumors, The University of Texas MD Anderson Cancer Center, Neuro-Oncology Core Curriculum Lecture
2/2010

Lecturer, New techniques in surgery of brain tumors, The University of Texas MD Anderson Cancer Center, Neuro-Oncology Core Curriculum Lecture
8/2010

Lecturer, Surgery of Brain Tumors
9/2011

Training Programs

N/A

Other Formal Teaching

N/A

Supervisory Teaching

Committees

Advisory Committees

N/A

Supervisory Committees

N/A

Examining Committees

N/A

Direct Supervision

Undergraduate and Allied Health Students

Laura White, College Student, Research Assistant II, 1987-1988

Paul Monach, College Student, Summer Research Project, 1987-1988

George Younis, College Student, Summer Research Project, 1992-1993

Shaan M. Raza, College Student, Summer Research Projects, 2000-2002

Medical Students

Arthur Arand, Summer Research Project, 1987-1988

Augusto Bastidas, Summer Research Project, 1987-1988

Bess Bracket, Summer Research Project, 1987-1988

Bruce Saffran, Summer Research Project, 1987-1988

Charles Riedel, Summer Research Project, 1987-1988

Chris Miller, Summer Research Project, 1987-1988

Darcee Fisher, Summer Research Project, 1987-1988

David Blatt, Summer Research Project, 1987-1988

Eric Lasky, Summer Research Project, 1987-1988

George Mandybur, Summer Research Project, 1987-1988
Hiroshi Smith, Summer Research Project, 1987-1988
Janet Dehler, Summer Research Project, 1987-1988
Kaveh Bahramian, Summer Research Project, 1987-1988
Paul Suiter, Summer Research Project, 1987-1988
Ron Budzik, Summer Research Project, 1987-1988
Shari Barkin, Summer Research Project, 1987-1988
Steve Best, Summer Research Project, 1987-1988
Steve Carleton, Summer Research Project, 1987-1988
Steven Marchioni, Summer Research Project, 1987-1988
Rajesh Bindal, Summer Research Project, 1991-1993
Derek M. Schoppa, Summer Research Project, 1994-1995
Brett Gentry, Summer Research Project, 1995-1996
Vonimir Luka Milas, Research Program, 1998-1999
Mark Dannenbaum, Research Program, 1999-2000
Shaan M. Raza, 2000-2002
Richard Lebow, Summer Research Project, 2003-2004
Akash J. Patel, Research Program, 2004-2005
Alex Rottgers, Research Program, 2004-2005
Kerr, Ed, MD, 2005
Oliver, Adam, 2005
Raza, Shaan, MD, 2005
Ryan Kitagawa, MD, 2005

Graduate Students

Evangeline Green, Research Assitant III, 1983-1989
Ilona Ormsby, M.S., 1983-1989
Brandon Taylor, Research Assistant III, 1985-1986
Mei Lin Shi M.D., Research Assistant II, 1987-1990

Postdoctoral Research Fellows

Magdy Abdelazim Osman, M.D., 1987-1990
O. Juhani Rämö, M.D. Ph.D., 1989-1990
Shinji Kono, M.D., 1991-1992
Sanjeeva Mohanam, 1992
Rapha Fredman, M.D., 1992-1993
Yung Gu Chung, M.D., 1992-1993
Susuma Nagasake, 1993
Shang-Wu Wang, 1993-1994
Shoko Yamada, 1993-1994
Ajay K. Bindal, 1994
Masaaki Yamamoto, 1994-1995

Li Zhang, 1994-2001
Shravan Chintala, 1995
Frederick Lang, M.D., 1995-1996
Marupudi Sivaparvathi, 1995-1996
Weiming Shi, 1995-1996
Wihon Oh, 1996
Suresh Sankhla, 1996-1997
Boyapati Venkaiah, M.D., 1997
Anjai Draksharam, 1997-1998
Pamarthi Mohen, 1997-1998
Sreelatha Pulakhandam, 1997-1998
Xiao-Bo Cao, 1997-1998
Hao Liu, 1998
Rajan Mannari, 1998-1999
Eui So Kim, 1998-2000
Jiang Shou, 1998-2000
Seeta Sajani Lakka, 1998-2001
Srinivas Mullapudi, 1998-2001
Tatsui, Claudio, MD, 2007-2008
Mustafa Aziz Hatiboglu, MD, 2007-2010
Wael Hassaneen, MD, 2008-2010

Clinical Residents and Fellows

Amr El-Naggar, MD, 1984-1985
Magdy El-Kalliny, MD, 1985-1986
Mario Zuccarello, MD, 1985-1988
Duncan K. Fischer, MD, 1990
Philip Azordegan, MD, 1990
Ziya Gokaslan, MD, 1990-1991
John S. Crutchfield, MD, 1991
Pedro M. Caram, MD, 1991
Prem Pillay, MD, 1991-1992
William Rambo, MD, 1991-1992
Daniel Robertson, MD, 1992
Daniel Wecht, MD, 1992
Stuart Crutchfield, MD, 1992
Cheryl Muszynski, MD, 1992-1993
Edward Aykeyson, MD, 1993
Todd Trask, MD, 1993
Thomas Chow, MD, 1993-1994

Maarouf Hammoud, MD, 1993-1995
Salim Kanaan, MD, 1993-1995
Mark Hnilica, MD, 1994
Daniel Pieper, MD, 1995
J. Michael Desaloms, MD, 1995
Nizam Razack, MD, 1995
Chris Tomaras, MD, 1995-1996
David Eng, MD, PhD, 1995-1996
Miguel Perez-Cruet, MD, 1995-1996
Christopher Rumana, MD, 1996
Daniel Yosher, MD, 1996-1997
Emilio Nardone, MD, 1996-1997
Lynn Fitzgerald, MD, 1996-1997
Bala Giri, MD, 1997
Brian Dezzutti, MD, 1997
Christopher Kalhorn, MD, 1997
Peter Alexander, MD, 1997
Rick Jensen, MD, 1997
Robert Jackson, MD, 1997
Andrew Sloan, MD, 1997-1998
Julie York, MD, 1997-1998
Steve Toms, MD, 1997-1998
Brett Gentry, MD, 1998
Jason Garber, MD, 1998
Christopher Michael, MD, 1998-1999
Daniel Miller, MD, 1998-1999
Summer Lal, MD, 1998-1999
Michel LaCroix, MD, 1998-2000
Brent Alford, MD, 1999
Gery Hsu, MD, 1999
Eric Marmor, MD, 1999-2001
Brett Gentry, MD, 2000
Chris Kalhorn, MD, 2000
Erwin Lo, MD, 2000
John Dickerson, MD, 2000
Paul Holman, MD, 2000
Jeffrey Weinberg, MD, 2000-2001
Yashail Vora, MD, 2000-2001
Fadi Hanbali, MD, 2000-2002

Zvi Cohen, MD, 2000-2002
Jean Paul Wolinsky, MD, 2001
Daryl Fournay, MD, 2001-2002
Joseph Shehadi, MD, 2001-2002
Remi Nader, MD, 2001-2002
Sujit Prabu, MD, 2001-2002
Vijayabalan Balasingam, MD, 2001-2002
Brad Thomas, MD, 2001-2007
Vikram Nayar, Jr, MD, 2001-2007
Abdolereza Siadati, MD, 2002
Robert Bohinski, MD, 2002-2003
Stephen Hentschel, MD, 2002-2003
Giacomo Vecil, MD, 2002-2004
Sam Javedan, MD, 2002-2004
Andrew C. Roeser, MD, 2002-2008
Mark Dannenbaum, MD, 2002-2008
Shiela Smitherman, MD, 2002-2008
Amos Dare, MD, 2003-2004
Elias Dagneu, MD, 2003-2004
Kevin Yao, MD, 2003-2004
Roman Hlatky, MD, 2003-2004
Daniel Boedeker, MD, 2003-2006
Ashwin Viswanathan, MD, 2003-2009
Joseph L. Martinez, MD, 2003-2009
Roukoz Chamoun, MD, 2003-2011
Chris McPherson, MD, 2004-2005
Egon Doppenberg, MD, 2004-2005
Erik Hauck, MD, 2004-2005
Justin Brown, MD, 2004-2005
Paul Jensen, MD, 2004-2005
Zeena Dorai, MD, 2004-2005
Gareth J Adams, MD, PhD, 2004-2010
Krishna B Satyan, MD, 2004-2010
Paul Salinas, MD, 2005
Ramin Ralzadeh, MD, 2005
Richard Meyrat, MD, 2005
Benjamin D Fox, MD, 2005-2011
Daniel K Fahim, MD, 2005-2011
Cooper, Patrick, MD, 2006

Daniel Boedeker, MD, 2006
Hamid Abbasi, MD, 2006
Michele R. Aizenberg, MD, 2006-2007
Ronald J. Beneveniste, MD, PhD, 2006-2007
Stefan S. Kim, MD, 2006-2007
Claudio Tatsui, MD, 2006-2008
Justin Brown, MD, 2007
Carmina Angeles, MD, 2007-2008
Jason Weaver, MD, 2007-2008
John R. Floyd, III, MD, 2007-2008
Krishna Satyan, MD, 2007-2008
Luis J. Almodovar, MD, 2007-2008
Robert Shapiro, MD, 2007-2008
David Rosen, MD, 2008-2009
Eric St. Clair, MD, 2008-2009
Adam Wu, MD, 2008-2010
Andrew Joseph Tsung, MD, 2009-2010
Jaime Gasco-Tamarit MD, 2009-2010
Magdalena Janina Banasiak, MD, 2009-2010
Timothy Siu, MD, 2009-2010
Danny Liang, MD, 2010-2011
Ian Lee, MD, 2010-2011
Jason Beiko, MD, PhD, 2010-2011
Moustafa Aziz Hatiboglu, MD, 2010-2011
Betty Kim, MD, PhD, 2011-2012
David Paulson, MD, 2011-2012
Fassil Mesfin, MD, PhD, 2011-2012
Lana Christiano, MD, 2011-2012
Paul Kongkham, MD, PhD, 2011-2012
Sherise Ferguson, MD, 2011-2012
Tal Shahar, MD, 2011-2013
Adrian Harvey, MD, 2012-2013
Mateo Ziu, MD, 2012-2013
Nicholas Marko, MD, 2012-2013
Adrian Smith, MD, 7/2013-6/2014
Michael Dirks, MD, 7/2013-6/2014
Rohan Ramakrishna, MD, 7/2013-6/2014
Shaan Raza, MD, 7/2013-6/2014
Yan Michael Li, MD, PhD, 7/2013-6/2014

Edjah Nduom, MD, 7/2014-6/2015
Salvatore Zavarella, DO, 7/2014-6/2015
Vincent DiNapoli, MD, 7/2015-6/2015
Brian Williams, MD, 7/2015-6/2016
Jonathan G. Thomas, MD, 7/2015-6/2016
Peleg Horowitz, MD, PhD, 7/2015-6/2016
Sara Garber, MD, 7/2015-6/2016
Ali Jalali, MD, 7/2016-6/2017
Jacob Freeman, MD, 7/2016-6/2017
Richard Everson, MD, 7/2016-6/2017
Tiffany Hodges, MD, 7/2016-6/2017
Wajd Al-Holou, MD, 7/2016-6/2017

Other Supervisory Teaching

N/A

Teaching Outside Current Institution

Formal Teaching

Courses Taught

Instructor, Clinical Neuroscience Course, University of Cincinnati College of Medicine
1983-1990

Instructor, Neuropathology Course, University of Cincinnati College of Medicine
1983-1990, 1983-1990

Lecturer, Neuro-Oncology Monthly Lectures to Third Year Medical Students, University of
Cincinnati College of Medicine, Cincinnati, OH
1984-1990

Lecturer, Neuro-Oncology Board Monthly Conference, University of Cincinnati College of
Medicine
1987-1990

Instructor, Efficient and cost effective use of diagnostic neurological testing, University of
Cincinnati College of Medicine
2/1990-4/1990

Instructor, Brain tumors: Clinical aspects, University of Cincinnati College of Medicine
3/1990

Instructor, Neuropathology gross demonstration, University of Cincinnati College of
Medicine
3/1990

Instructor, Legal and ethical issues in medicine, University of Cincinnati College of
Medicine
4/1990

Instructor, Nursing In-Service, University of Cincinnati and Veterans Administration
Medical Center
1990

Instructor, Neurobiology of Disease - Primary Neoplasms of the CNS, Baylor College of
Medicine
11/2006

Instructor, Neurobiology of Disease - Primary Neoplasms of the CNS, Baylor College of
Medicine

3/2007

Training Programs

N/A

Other Formal Teaching

N/A

Supervisory Teaching

Committees

Advisory Committees

N/A

Supervisory Committees

N/A

Examining Committees

N/A

Direct Supervision

Undergraduate and Allied Health Students

N/A

Medical Students

N/A

Graduate Students

N/A

Postdoctoral Research Fellows

N/A

Clinical Residents and Fellows

Baylor College of Medicine, Ryan Kitagawa, MD, 2006-2012

Baylor College of Medicine, Tarek Abuelem, MD, 2006-2012

Baylor College of Medicine, William Humphries, MD, MPH, 2006-2012

Baylor College of Medicine, Akash Patel, MD, 7/2008-6/2014

Baylor College of Medicine, Deshdeepak Sahni, MD, 7/2008-6/2014

Baylor College of Medicine, George Al Shamy, MD, 7/2008-6/2014

Baylor College of Medicine, Bartley Mitchell, MD, PhD, 7/2009-6/2015

Baylor College of Medicine, Jonathan G. Thomas, MD, 7/2009-6/2015

Baylor College of Medicine, Vikas Rao, MD, 7/2009-6/2015

Baylor College of Medicine, Ali Jalali, MD, PhD, 7/2009-6/2016

Baylor College of Medicine, Gaddum Duemani Reddy, MD, PhD, 7/2009-6/2016

Baylor College of Medicine, Jared Fridley, MD, 7/2009-6/2016

Baylor College of Medicine, Baraa Al-Hafez, MD, 7/2010-6/2013

Baylor College of Medicine, Jonathan Sellin, MD, 7/2010-6/2017

Baylor College of Medicine, Loyola Gressot, MD, 7/2010-6/2017

Baylor College of Medicine, Sabih Effendi, MD, 7/2010-6/2017

Baylor College of Medicine, Anish N. Sen, MD, MPH, 6/2011-6/2018

Baylor College of Medicine, Jacob Cherian, MD, 6/2011-6/2018

Baylor College of Medicine, Zheng D. Lan, MD, PhD, 6/2011-6/2018

Baylor College of Medicine, Eric Momin, MD, 6/2012-6/2019

Baylor College of Medicine, Pascal Zinn, MD, 6/2012-6/2019
Baylor College of Medicine, Rory Mayer, MD, 6/2012-6/2019
Baylor College of Medicine, Aditya Vedantam, MD, 6/2013-6/2020
Baylor College of Medicine, Robert North, MD, 6/2013-6/2020
Baylor College of Medicine, Visish Srinivasan, MD, 6/2013-6/2020

Other Supervisory Teaching

N/A

CONFERENCES AND SYMPOSIA

Organization of Conferences/Symposia (Include chairing session)

American Cancer Society, The American Cancer Society 15th Annual Charles M. Barrett Symposium, Cincinnati, OH, Co-Organizer, 1989

Ohio State Neurosurgical Society Meeting, Annual Meeting, Dayton, OH, Chairman, Scientific Program, 1/1989

Congress of Neurological Surgeons, General Scientific Session I, Orlando, FL, Coordinator, 1991

Congress of Neurological Surgeons, Practical course of stereotactic systems, Orlando, FL, Course Director, 10/1991

Congress of Neurological Surgeons, General Scientific Sessions, Washington, DC, Moderator, 10/1992

Congress of Neurological Surgeons, International Breakfast Seminar, Washington, DC, Chairperson, 10/1992

Congress of Neurological Surgeons, Stereotactic systems, Washington, DC, Practical Course Director, 10/1992

Society of Surgical Oncology, Annual Meeting, Los Angeles, CA, Chairman, Parallel Session, Neurosurgery Session, 1993

Society of Surgical Oncology, Surgical considerations in astrocytoma surgery, Los Angeles, CA, Parallel Session Chairman, 3/1993

American Radium Society, Eye/central nervous system/melanoma, Bermuda, Co-Moderator, 4/1994

International Symposium on Pediatric Neuro-Oncology, Treatment of low grade astrocytomas, London, United Kingdom, Scientific Session Moderator, 5/1994

Society of Surgical Oncology, 1994 Annual Meeting, Los Angeles, CA, Chairman, Parallel Session, Neurosurgery Session, 10/1994

The University of Texas MD Anderson Cancer Center, Brain Tumor Center, Meningioma: Partners in Excellence Series, Houston, TX, Moderator and Member Planning Committee, 2/1995

Society of Surgical Oncology, 1995 Annual Meeting, Boston, MA, Chairman, Parallel Session, Neurosurgery Session, 3/1995

The Society of Surgical Oncology, Neurosurgery parallel session, Boston, MA, Moderator, 3/1995

The University of Texas MD Anderson Cancer Center and the National Brain Tumor Foundation, Research, resources, recovery: A brain tumor conference for patients, families and health professionals, Houston, TX, Conference Chair, 3/1995

The American Association of Neurological Surgeons, Current and novel treatments of malignant gliomas, Orlando, FL, Breakfast Seminar Moderator, 4/1995

The University of Texas MD Anderson Cancer Center, Brain Tumor Biology: Specific Products. Therapeutic Response of Normal and Malignant Neural Tissues Radiation Workshop, Round Top, TX, Session Chairman, 4/1995

Society of Surgical Oncology, Annual Meeting, Atlanta, GA, Chairman, Parallel Session, Neurosurgery Session, 3/1996

Society of Surgical Oncology, Parallel session on head and neck / neurosurgical cancers, Atlanta, GA, Moderator, 3/1996

The American Association of Neurological Surgeons, Congress of Neurosurgeons, Joint Section on Tumors Satellite Symposium - Epidemiology and prognosis session, Montreal, Quebec, Canada, Moderator, 10/1996

The University of Texas MD Anderson Cancer Center/National Brain Tumor Foundation, Taking Control: A Conference for Brain Tumor Patients, Families and Health Professionals, Houston, TX, Conference Organizing Committee, 1997

The American Association of Neurological Surgeons, Role of radiosurgery in the management of CNS neoplasms, Denver, CO, Moderator, Breakfast Seminar, 4/1997

The Congress of Neurological Surgeons Annual Meeting, Brain metastasis from surgery to radiosurgery, New Orleans, LA, Moderator and Lecturer, Luncheon Seminar No 301, 10/1997

The Congress of Neurological Surgeons Annual Meeting, Advances in glioma management, Seattle, WA, Moderator Luncheon Seminar, 10/1998

The University of Texas MD Anderson Cancer Center/National Brain Tumor Foundation, Together in Wellness: A Conference for Brain Tumor Patients, Families and Health Professionals, Houston, TX, Conference Chairman, 1/1999

The Annual Meeting of the Egyptian Society of Neurological Surgeons, Management of brain metastasis, Cairo, Egypt, Lecturer and Chairman of Session, 3/1999

The Congress of Neurological Surgeons, 49th Annual Meeting - Intracranial metastases: Current management strategies., Boston, MA, Moderator, Luncheon Seminar #308, 11/1999

The Congress of Neurological Surgeons 49th Annual Meeting, Section on Tumors II: Open paper session and the Mahaley award, Boston, MA, Co-moderation with James T. Rutka, 11/1999

AANS/CNS Section on Tumors, Open Papers/Scientific Session, San Francisco, CA, Co-moderator, 4/2000

AANS/CNS Section on Tumors, Fourth Biennial Satellite Symposium, San Francisco, CA, Moderator, 4/2000

The University of Texas MD Anderson Cancer Center, Department of Neurosurgery Symposium The Decade Ahead, Welcoming and Closing Remarks, Houston, TX, Chairman and Speaker, Neurosurgical Oncology, 1/2001

The University of Texas MD Anderson Cancer Center and the National Brain Tumor Foundation, Together in Hope Brain Tumor Patient Conference, Omni Houston Westside Hotel, Houston, TX, Conference Chairman, 3/2001

The American Radium Society, Annual Meeting, Scientific Paper Presentation on Acupuncture, CNS, and Swallowing, Moderator, 4/2001

The Arab International Cancer Congress, Annual Meeting, Beirut, Lebanon, Co-Chairperson/Co-President of Lebanon, 9/2001

The Congress of Neurological Surgeons, Annual Meeting, San Diego, CA, Presented the Preuss Award to and introduced Dr. Andrew T. Parsa, 10/2001

The Congress of Neurological Surgeons, San Diego, CA, Moderator, CNS Lunch Seminar W63, 10/2001

The University of Texas MD Anderson Cancer Center and Albert Einstein Hospital, IVth International Neuro-Oncology Symposium, Sao Paulo, Brazil, Program Coordination and Introductory Remarks, 3/2002

American Association of Neurological Surgeons/Congress of Neurological Surgery, The 5th Biennial Symposium, Chicago, IL, Moderator, 4/2002

National Brain Tumor Foundation, Together in Hope: A Conference for Brain Tumor Patients and their Families, Houston, TX, Co-chair, 3/2003

The University of Texas MD Anderson Cancer Center, 44th Annual Clinical Conference, Houston, TX, Organizing Committee, 3/2003

Congress of Neurological Surgeons, Annual Meeting- AANS/CNS Joint Section on Tumors Executive Committee Meeting, Denver, CO, Chairman, 10/2003

The Congress of Neurological Surgeons, 53rd Annual Meeting, Denver, CO, Moderator, 10/2003

The Congress of Neurological Surgeons, 53rd Annual Meeting - Section on Tumors II, Denver, CO, Co-Moderator, 10/2003

NCCN, Central Nervous System Panel Meeting, Chicago, IL, Panelist, 11/2003

American Society of Clinical Oncology, Annual Meeting Planning Committee, Chicago, IL, member, 7/2004

Congress of Neurological Surgeons, 54th Annual Meeting - State of the Art Management of Brain Metastases, San Francisco, CA, Scientific Session Moderator, 10/2004

Congress of Neurological Surgeons, 54th Annual Meeting - Section on Tumors I CNS/SINch Symposium, San Francisco, CA, Open Paper Moderator, 10/2004

Congress of Neurological Surgeons, 54th Annual Meeting - Section on Tumors II, San Francisco, CA, Scientific Session Moderator, 10/2004

Congress of Neurological Surgeons, 54th Annual Meeting - Special Symposium III-Neurosurgical Oncology: Not Just Glioma Surgery, San Francisco, CA, Scientific Session Moderator, 10/2004

Congress of Neurological Surgeons, 54th Annual Meeting-Special Symposium III - Neurosurgical Oncology: Not Just Glioma Surgery, San Francisco, CA, Moderator, 10/2004

World Federation of Neurosurgical Societies Tumor Section Meeting, Management of low grade gliomas, Jaipur, India, Scientific Session Moderator, 10/2004

American Radium Society, Annual Meeting, Maui, HI, Moderator, 2005

The University of Texas MD Anderson Cancer Center, Brain Tumor Center Clinical Research Retreat at the Houstonian, Houston, TX, Host and Speaker, 1/2005

The University of Texas MD Anderson Cancer Center Department of Neurosurgery and The Houston Neurological Society, The 9th Annual Milam E. Leavens Distinguished Dinner and Lectureship, honoring Patrick J. Kelly, MD, Houston, TX, Host and Organizer, 1/2005

World Federation of Neurosurgical Society, Tumor Section Meeting, Jaipur, India, Scientific Session Moderator, 1/2005

AANS, Annual Meeting - Breakfast Seminar "The Spectrum of Adjuvant Therapy for Brain Tumors", New Orleans, LA, Moderator, 4/2005

The University of Texas MD Anderson Cancer Center and The National Brain Tumor Foundation, Together in Hope: A Conference for Brain Tumor Patients and Their Families, Houston, TX, Conference Chairman, 4/2005

Congress of Neurological Surgeons, Annual Meeting - Seminar "State-of-the-Art Management of Brain Metastases", Boston, MA, Moderator, 10/2005

Congress of Neurological Surgeons, Annual Meeting - Symposium "Molecular Targets & Targeted Therapies for Malignant Brain Tumors", Boston, MA, Moderator, 10/2005

AANS, Annual Meeting - Seminar "The Spectrum of Adjuvant Therapy for Brain Tumors", San Francisco, CA, Moderator, 4/2006

The University of Texas MD Anderson Cancer Center, Mechanisms of Neural Differentiation & Brain Tumors, Lloyd Harbor, NY, Faculty, 7/2006

Congress of Neurological Surgeons, Annual Meeting-Lunch Symposium-State-of-the-Art Management of Brain Metastasis, Chicago, IL, Moderator, 10/2006

AANS, Annual Meeting - The Spectrum of Adjuvant Therapy for Brain Tumors, Washington, DC, Moderator, 4/2007

The University of Texas MD Anderson Cancer Center, Together in Hope: A Conference for Brain Tumor Patients and Their Families, Houston, TX, Chair, 5/2007

Congress of Neurological Surgeons, Luncheon Seminar "State-of-the-Art Management of Brain Metastases", San Diego, CA, Moderator, 9/2007

World Federation of Neurological Surgeons, WFNS Young Neurosurgeons Forum on Tumors, Nagoya, Japan, Moderator, 11/2007

AANS, Breakfast Symposia "The Spectrum of Adjuvant Therapy in Brain Tumors", Chicago, IL, Moderator, 4/2008

Mid-Winter meeting of Brain SPORE Programs, M. D. Anderson Cancer Center, Houston, TX, Co-Host, 1/2010

American Radium Society, Young oncologist essay award winners, Cancun, Mexico, Moderator, 5/2010

American Radium Society Annual Meeting, CNS Tumor and Functional Disorder Session, April 29-May 2, Las Vegas, NV, Co-Moderator, 2012

Congress of Neurological Surgeons Annual Meeting, Evidence-based management of brain metastases, Luncheon Seminar, Chicago, IL, Moderator, 2012

95th Annual American Radium Society, Scottsdale, AZ, Member, Scientific Program Committee, 2013

95th Annual American Radium Society Meeting, April 27-May 1, Scottsdale, AZ, Moderator, Scientific Session 1: CNS Tumors, 2013

Congress of Neurological Surgeons Annual Meeting, Luncheon Seminar (M15) "Evidence-based management of brain metastases, October 19-23, San Francisco, CA, Moderator, 2013

XV WFNS World Congress of Neurosurgery, Breakfast 5 Session "High grade gliomas: management options (II)," September 8-13, Seoul, Korea, Republic of, Moderator, 2013

76th Annual Meeting of The American Academy of Neurological Surgery, September 17-20, Functional Neurosurgery, Imaging and Biomarkers, Abstract Session VI, Santa Rosa Beach, FL, Moderator, 2014

Dr. Marnie Rose Foundation Symposium, July 18, Houston, TX, Co-Chair, 2014

Glioblastoma Moonshot Grant Presentation, The University of Texas MD Anderson Cancer Center, July 17, Houston, TX, Organizer, 2014

Congress of Neurological Surgeons Annual Meeting, Guidelines Session II: Guidelines for the Management of Brain Metastases, San Diego, CA, Moderator, 2016

Presentations at National or International Conferences

Invited

Cancer in the nervous system, 34th Annual Clinical Conference, The University of Texas MD Anderson Cancer Center, Houston, TX, 11/1990

Surgery, 23rd Annual Special Pathology Program, The University of Texas MD Anderson Cancer Center, Houston, TX, 11/1990

Stereotaxy for the general neurosurgeon and Plasminogen activator inhibitor in brain tumors: Relation to malignancy and necrosis, American Association of Neurological Surgeons, New Orleans, LA, 4/1991

- Craniotomy for intracranial tumors, Neuroscience Nursing Conference, Mid Michigan Neuroscience Institute, Midland, MI, 2/1/1992
- History of neurological surgery, Neuroscience Nursing Conference, Mid Michigan Neuroscience Institute, Midland, MI, 2/8/1992
- The involvement of the fibrinolytic enzymes in the pathogenesis of delayed radiation damage of spinal cord in rats, 5th Canadian Neuro-Oncology Meeting, Toronto, Canada, 6/1/1992
- Management of recurrent brain tumors, First M. D. Anderson - Ministry of Health Symposium, Singapore City, Singapore, 7/1/1992
- Radiation necrosis: Pathogenesis and treatment and computer assisted and stereotactic radiosurgery, First M. D. Anderson - Ministry of Health Symposium, Singapore City, Singapore, 7/1/1992
- Surgical management of third ventricle tumors, First M. D. Anderson - Ministry of Health Symposium, Singapore City, Singapore, 7/1/1992
- Thromboembolic complications in brain tumor patients, First M. D. Anderson - Ministry of Health Symposium, Singapore City, Singapore, 7/1/1992
- Trends in neurosurgical oncology, First M. D. Anderson - Ministry of Health Symposium, Singapore, Singapore, 7/1/1992
- Stereotactic craniotomy: Indications and techniques, Congress of Neurological Surgeons, Washington, DC, 10/1/1992
- Low grade glioma, Society of Surgical Oncology, Los Angeles, CA, 3/20/1993
- Applications of ionizing radiation in brain tumor management, American Association of Neurological Surgeons - Breakfast Seminar, Boston, MA, 4/1/1993
- Cerebral metastatic neoplasms: Definition of a neurosurgeon's role, American Association of Neurological Surgeons - Breakfast Seminar, Boston, MA, 4/1/1993
- Trends in neurosurgical oncology, Spohn Hospital Neuro-Oncology Symposium, Corpus Christi, TX, 6/12/1993
- Metastatic brain tumors, Congress of Neurological Surgeons - Luncheon Seminar, Vancouver, Canada, 10/1/1993
- Research Update, National Brain Tumor Foundation, San Francisco, CA, 3/11/1994
- How to communicate with your physician: Coordinating your health care team, National Brain Tumor Foundation, San Francisco, CA, 3/12/1994
- Future hope through research: Becoming an informed consumer, National Brain Tumor Foundation, San Francisco, CA, 3/13/1994
- Resection of brain metastases, The Society of Surgical Oncology, Houston, TX, 3/18/1994
- Neuro-oncology: Gene transfection in brain tumors and other new developments in the treatment of brain tumors, The Society of Surgical Oncology, Houston, TX, 3/19/1994
- Management of tumors of the pineal region, American Association of Neurological Surgeons - Breakfast Seminar, San Diego, CA, 4/1/1994
- Approaches to the lateral and third ventricles, Congress of Neurological Surgeons, Chicago, IL, 10/5/1994
- Neuro-oncology: New developments in the treatment of brain tumors, Meet the Professor Breakfast, Society of Surgical Oncology, Boston, MA, 3/1/1995
- Neuroanatomy: Anatomy and functions of the brain, Research, Resources, Recovery: A Brain Tumor Conference for Patients, Families and Health Professionals. The University of Texas M. D. Anderson Cancer Center and the National Brain Tumor Foundation, Houston, TX, 3/1/1995

Clinical and laboratory observations on the pathogenesis of CNS radiation necrosis, Therapeutic Response of Normal and Malignant Neural Tissues Radiation Workshop, Round Top, TX, 4/1/1995

Brain metastasis: Current treatments, Maria Sklodowska Memorial National Cancer Center and Institute, Warsaw, Poland, 9/20/1995

Surgical management of brain metastasis: A modern perspective, Congress of Polish Society of Neurosurgeons, Wroclaw, Poland, 9/23/1995

Treatment of brain metastases, Round Table Discussion, Congress of Polish Society of Neurosurgeons, Wroclaw, Poland, 9/23/1995

Brain metastasis: Treatment options, Congress of Neurological Surgeons, San Francisco, CA, 10/17/1995

Parenchymal brain tumors: neurosurgical outcomes, Korean Neurosurgical Society, Pusan City, Korea, Republic of, 10/23/1995

Third ventricle lesions: Issues in management, Korean Neurosurgical Society, Seoul, Korea, Republic of, 10/26/1995

Radiation necrosis: Clinical and laboratory observation, Korean Neurosurgical Society, Seoul, Korea, Republic of, 10/27/1995

Neuroanatomy, The National Brain Tumor Foundation, San Francisco, CA, 3/8/1996

Metastatic brain tumors, The National Brain Tumor Foundation, San Francisco, CA, 3/9/1996

Three perspectives on your healthcare team: Neurosurgeon, neuropsychologist, and patient, The National Brain Tumor Foundation, San Francisco, CA, 3/9/1996

3-D navigational devices in neurosurgery, The American Radium Society, San Francisco, CA, 3/31/1996

Case presentation: Management of three malignant melanoma metastases to brain, The American Radium Society, San Francisco, CA, 4/2/1996

A perspective on the management of brain metastasis, Mayfield Neuroscience Symposium, University of Cincinnati Medical Center, Cincinnati, OH, 6/1/1996

Surgical and medical advances in therapy of primary brain tumors, 34th Annual Meeting of the American Society of Neuroradiology, Seattle, WA, 6/23/1996

Surgical removal of metastatic brain tumors, Congress of Neurological Surgeons, Montreal, Canada, 9/30/1996

Cancer and the central nervous system, NCCN Conference, Ft. Lauderdale, FL, 3/5/1997

New treatment strategies and neuroanatomy basics, Taking Control: A Conference for Brain Tumor Patients, Families and Health Professionals Conference, The University of Texas M. D. Anderson Cancer Center/National Brain Tumor Foundation, Houston, TX, 3/14/1997

Image-guided surgery for brain tumors, 2nd Japan-U.S. Symposium on Pediatric Cancer, Houston, TX, 4/8/1997

The surgical management of intrinsic brain tumors: Accessibility and resectability, What's New in Neuro Oncology: latest approaches to the Management of CNS Tumors Conference, Milwaukee, WI, 4/12/1997

Sodium thiosulfate as a protectant against carboplatin-induced ototoxicity in the treatment of patients with malignant brain tumors, American Association of Neurological Surgeons, Denver, CO, 4/14/1997

The comprehensive interdisciplinary brain tumor center, Special Symposium I, Staying on the Front-line of Health Care Delivery: Interdisciplinary Approaches and Practice Expansion Opportunities. American Association of Neurological Surgeons, Denver, CO, 4/15/1997

Image-guided surgery for brain tumors using the ISG viewing wand: A series of 112 cases, 3rd International Congress Minimally Invasive Neurosurgery, Paris, France, 6/30/1997

The surgical management of intrinsic brain tumors: accessibility and resectability, World Association of Lebanese Neurosurgeons (W.A.L.N), Beirut, Lebanon, 7/13/1997

Intracranial metastatic tumor management: Resective surgery vs. radiosurgery. The case for resective surgery, Congress of Neurological Surgeons Annual Meeting, New Orleans, LA, 9/29/1997

Patient/professional panel: Moving forward together while getting help and hope, 5th National Brain Tumor Conference, San Francisco, CA, 3/28/1998

Surgery what works and why, 5th National Brain Tumor Conference, San Francisco, CA, 3/28/1998

Workshop session IV: Metastatic tumors, 5th National Brain Tumor Conference, San Francisco, CA, 3/28/1998

Do outcomes after radiosurgery differ for different metastatic brain tumor?, American Association of Neurological Surgeons, Philadelphia, PA, 4/29/1998

Role of vascular endothelial growth factor for the pathogenesis of venous thromboembolic disease in patients with brain tumors, American Association of Neurological Surgeons, Philadelphia, PA, 4/29/1998

Surgical neuro-oncology: How I do it: The role of surgery in brain metastasis, American Association of Neurological Surgeons, Philadelphia, PA, 4/30/1998

Surgical advances in the management of brain tumors, National Arab American Association 20th Annual Meeting, Newport Beach, CA, 9/3/1998

Onco-diagnosis panel: Central nervous system, 84th Annual RSNA Scientific Assembly and Annual Meeting, Chicago, IL, 12/2/1998

Metastatic brain tumors: The role of surgery, The Cleveland Clinic Foundation Brain Tumor and Neuro-Oncology Center's Neuro-Oncology Symposium: Current Concepts 1999, Naples, FL, 2/15/1999

Molecular therapy for gliomas, The Annual Meeting of the Egyptian Society of Neurological Surgeons, Cairo, Egypt, 3/9/1999

Advances in the surgical treatment of glioblastoma multiforme, The Annual Meeting of the Egyptian Society of Neurological Surgeons, Cairo, Egypt, 3/11/1999

Stereotactic radiosurgery plus whole brain radiosurgery versus whole brain radiotherapy alone for patients with multiple brain metastases: A randomized trial, American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, 4/26/1999

Advances in the neurosurgical approaches to solid tumors, The 35th Annual Middle East Medical Assembly, Beirut, Lebanon, 5/8/1999

Extent of tumor resection and Survival of Patients with Glioblastoma, Distinguished Guest Lectureship III, Japan Neurosurgical Society, Tokyo, Japan, 10/27/1999

Surgical management of brain metastasis, Japan Neurosurgical Society, Tokyo, Japan, 10/28/1999

Surgical decision making, Presented at the International Neuro-Oncology Symposium hosted by the Albert Einstein Hospital, Sao Paulo, Brazil, 12/10/1999

Surgery for brain metastasis, Presented at the International Neuro-Oncology Symposium hosted by the Albert Einstein Hospital, Sao Paulo, Brazil, 12/11/1999

The multidisciplinary brain tumor center, Presented at the International Neuro-Oncology Symposium hosted by the Albert Einstein Hospital, Sao Paulo, Brazil, 12/11/1999

Imaging-based necrosis, extent of resection, and the survival of patients with glioblastoma multiforme, Presented at the 82nd Annual Meeting of the American Radium Society, London, United Kingdom, 4/3/2000

Update on tumors for the general neurosurgeon: metastatic brain tumors, Presented at the Annual American Association of Neurological Surgeons Annual Meeting, San Francisco, CA, 4/9/2000

Brain metastasis: the role of surgery, Presented at the Leksell Gamma Knife Society Meeting, Olympic Valley, CA, 4/15/2000

How does modern neuroscience contribute to the overall results of brain tumor treatment: Surgery for Glioma?, 5th Annual Meeting of the Japanese Congress for Brain Tumor Surgery, Yamagata, Japan, 9/22/2000

Fifty Years of Neurosurgery Argues in Favor of Glioma Resection, Congress of Neurological Surgeons, San Antonio, TX, 9/25/2000

Case Management, Brain Metastasis, Congress of Neurological Surgeons, San Antonio, TX, 9/27/2000

Approaches to the Management of Metastatic Brain Disease - When to do What, American Society of Clinical Oncology's Fall 2000 Clinical Practice Forum, Orlando, FL, 11/4/2000

Is My Brain Tumor Operable?, Together in Hope Brain Tumor Patient Conference hosted by M. D. Anderson Cancer Center and the National Brain Tumor Foundation, Houston, TX, 3/9/2001

Surgical Management of Metastatic Brain Tumors, 2nd Annual Hermelin Brain Tumor Center Symposium, Southfield, MI, 6/1/2001

Is My Brain Tumor Operable, 2nd Annual Hermelin Brain Tumor Center Symposium, Southfield, MI, 6/2/2001

New Surgical Approach for Brain Metastasis, Arab International Cancer Congress, Beirut, Lebanon, 9/6/2001

Resection and Survival in Glioblastoma, Arab International Cancer Congress, Beirut, Lebanon, 9/6/2001

Advances in Surgery for Parenchymal Tumors, Symposium on CNS Tumors: From Gene to Treatment, Ioannina, Greece, 11/9/2001

High Grade Gliomas: Does Surgical Resection Matter, IVth International Neuro-Oncology Symposium, Sao Paulo, Brazil, 3/9/2002

How is Molecular and Functional Imaging Applied to Surgery, IVth International Neuro-Oncology Symposium, Sao Paulo, Brazil, 3/9/2002

Brain Metastasis: Arguments for Surgery, IVth International Neuro-Oncology Symposium, Sao Paulo, Brazil, 3/10/2002

Update on Tumors for the General Neurosurgeon: Brain Metastasis, The 2002 AANS Annual Meeting, Chicago, IL, 4/7/2002

Surgery for Metastatic Disease, The 52nd Annual Meeting of the Congress of Neurological Surgeons, Philadelphia, PA, 9/24/2002

Brain Metastases: Surgery for Metastatic Disease, 52nd Annual Meeting of the Congress of Neurological Surgeons, Philadelphia, PA, 9/25/2002

Necrosis and Glioblastoma Pathogenesis and Significance, The Annual Meeting of the American Academy of Neurological Surgery, Scottsdale, AZ, 10/19/2002

Brain Metastasis, Southwest Oncology Group Fall Conference, San Antonio, TX, 10/27/2002

Glioma I: Clinical Advances in the Surgical Treatment of Gliomas, Cleveland Clinical Neuro-Oncology 2003, Orlando, FL, 1/12/2003

Clinical Overview, Molecular mechanism in brain tumor, The University of Texas MD Anderson Cancer Center, Houston, TX, 2/12/2003

Is My Brain Tumor Operable?, Together in Hope: A Conference for Brain Tumor Patients and Their Families, The University of Texas MD Anderson Cancer Center and The National Brain Tumor Foundation, Houston, TX, 2/14/2003

Atypical MR imaging features of juvenile pilocytic astrocytoma, The American Society of Neuroradiology 41st Annual Meeting and Symposium, Washington, DC, 4/25/2003

Gene therapy for malignant glioma, The Japanese Friendship Symposium - Satellite International AANS/JNS Joint Symposium, San Diego, CA, 4/25/2003

Practical Clinic 032: Update on Tumors for the General Neurosurgeon: Brain Metastases, The American Association of Neurological Surgeons 71st Annual Meeting, San Diego, CA, 4/27/2003

Paper by Keles, Volume of Residual Disease as a Predictor of Outcome in Adult Patients with Recurrent Supratentorial Glioblastoma, The American Association of Neurological Surgeons 71st Annual Meeting, San Diego, CA, 4/28/2003

Advances in the Surgical Therapy of Malignant Gliomas, The 2nd Annual Memphis Regional Brain Tumor Scientific Symposium, Memphis, TN, 5/5/2003

The Comprehensive Neuro-Oncology Center: Challenges and Opportunities, ACI's 2nd National Conference on Developing, Updating, and Expanding Neuroscience Centers of Excellence for Hospitals and Health Systems, Chicago, IL, 7/18/2003

Stereotactic radiosurgical treatment in 103 patients for 153 cerebral melanoma metastases, 12th Annual ECCO Meeting, Copenhagen, Denmark, 9/21/2003

Controversies / point / counterpoint session on the topic of Brain Metastases: Ideal Treatment- The Role of Resection, . The Congress of Neurological Surgeons 53rd Annual Meeting, Denver, CO, 10/23/2003

Radiosurgery for Brain Metastasis: Neurological Outcome Versus Tumor Location, Academy of Neurological Surgeons Annual Meeting, Williamsburg, VA, 10/31/2003

Management of Metastatic Brain Tumors, The 12th Annual Saudi Neurosciences Symposium, 4th Annual Meeting of the Saudi Chapter of Epilepsy and 2nd Annual Jeddah Neurosciences Update, Jeddah, Saudi Arabia, 1/13/2004

The Surgical Management of Malignant Gliomas, 12th Annual Saudi Neurosciences Symposium, 4th Annual Meeting of the Saudi Chapter of Epilepsy and 2nd Annual Jeddah Neurosciences Update, Jeddah, Saudi Arabia, 1/15/2004

The Comprehensive Brain Tumor Center: From Molecular Discoveris to Advanced Patient Care, Pan Arab Cancer Congress, Kuwait City, Kuwait, 4/5/2004

Clinical Overview, 2nd Course on Molecular Mechanism in Brain Tumors, The University of Texas MD Anderson Cancer Center, Houston, TX, 5/2004

Have We Made Any Progress in the Treatment of Glioblastoma Multiform, American Association of Neurological Surgeons 72nd Annual Meeting, Orlando , FL, 5/1/2004

Surgical Resection of Brain Metastases Following Failed Stereotactic Radiosurgery, American Association of Neurological Surgeons 72nd Annual Meeting, Orlando , FL, 5/1/2004

Update on Tumors for the General Neurosurgeon, American Association of Neurological Surgeons 72nd Annual Meeting, Orlando , FL, 5/1/2004

Current and Future Trends in the Management of Malignant Gliomas, 12th International Meeting of the Leksell Gamma Knife Society, Vienna, Austria, 5/17/2004

Extent of Resection and Survival for Glioblastoma: Biology vs. Technology, LaCrolla Family Brain Tumor Lecture, Toronto, Ontario, Canada, 5/28/2004

Advances in the Surgical Treatment of Malignant Gliomas, Clinica Alemana Neuro-Oncologia en el Siglo XXI, Santiago, Chile, 8/13/2004

The Comprehensive Neuro-Oncology Center: From Molecular Discoveries to Advanced Patient Care Applications, Clinica Alemana Neuro-Oncologia en el Siglo XXI, Santiago, Chile, 8/13/2004

Controversies of Neurosurgical Practice: Resection vs. Radiosurgery for Brain Metastasis, Clinica Alemana Neuro-Oncologia en el Siglo XXI, Santiago, Chile, 8/14/2004

Management Guidelines of Malignant Gliomas, XXV Congresso Brasileiro de Neurocirurgia, Goiânia, Brazil, 9/5/2004

Procedures for Single & Multiple Metastases, XXV Congresso Brasileiro de Neurocirurgia, Goiânia, Brazil, 9/6/2004

Strategies for Low Grade Gliomas, XXV Congresso Brasileiro de Neurocirurgia, Goiânia, Brazil, 9/9/2004

Comprehensive Brain Tumor Center - Challenges and Opportunities, CNI Center for Brain and Spinal Tumors Annual Neuro-Oncology Lecture, Denver, CO, 10/1/2004

Extent of Resection Matters, World Federation of Neurosurgical Societies Tumor Section Meeting, Jaipur, India, 10/11/2004

Motor Cortex Localization by MRI, World Federation of Neurosurgical Societies Tumor Section Meeting, Jaipur, India, 10/11/2004

Accessibility and Resectability, World Federation of Neurosurgical Societies Tumor Section Meeting, Jaipur, India, 10/12/2004

Midline Juvenile Pilocytic Astrocytomas, World Federation of Neurosurgical Societies Tumor Section Meeting, Jaipur, India, 10/12/2004

Comprehensive Neuro-Oncology Center - Five Principles, World Federation of Neurosurgical Societies Tumor Section Meeting, Jaipur, India, 10/13/2004

From Observership to Clinical Fellowship, World Federation of Neurosurgical Societies Tumor Section Meeting, Jaipur, India, 10/13/2004

Comparison of the Antiglioma Effect of EIA and EIB055kD-Mutant Oncolytic Adenovirus, AANS/CNS Section on Tumors Sixth Biennial Satellite Symposium, San Francisco, CA, 10/21/2004

Papillary, Keratin-Positive Pineal Region Neoplasma: Report of 3 Cases, AANS/CNS Section on Tumors Sixth Biennial Satellite Symposium, San Francisco, CA, 10/22/2004

Advances in the Surgical Treatment of Malignant Gliomas, 87th Annual Meeting of the American Radium Society, Symposium on Advances in Surgery in the Areas of Brain, Skull Base, and Head and Neck, Barcelona, Spain, 5/3/2005

Role for Surgery in High-Grade Glioma Treatment, Centro Oncologico M. D. Anderson International Espana (COMDAIE), Madrid, Spain, 6/16/2005

Role for Surgery in Brain Metastasis, Centro Oncologico M. D. Anderson International Espana (COMDAIE), Madrid, Spain, 6/17/2005

Immunotherapy Techniques Against Epidermal Growth Factor Variant III Expressed on Glioblastoma Multiforme, the meeting of the 13th World Congress of Neurological Surgery,, Marrakesh, Morocco, 6/20/2005

Resection versus Radiosurgery for Brain Metastasis, 13th World Congress of Neurological Surgery, Marrakesh, Morocco, 6/20/2005

The Prognostic Impact of EGFR and EGFRvIII in Glioblastoma Multiforme, the meeting of the 13th World Congress of Neurological Surgery,, Marrakesh, Morocco, 6/20/2005

- The Role of Glioma Infiltrating Microglia in Immunological Responses, the meeting of the 13th World Congress of Neurological Surgery, Marrakesh, Morocco, 6/20/2005
- Management of Brain Metastases, Updates in Neuro-Oncology International Meeting, Arezzo, Italy, 6/25/2005
- Management of Metastatic Brain Tumors: An Overview, Italian Society of Neurosurgery, Rome, Italy, 2/3/2006
- Brain Metastases, AANS Annual Meeting, San Francisco, CA, 4/24/2006
- An Epidermal Growth Factor Receptor Variant III Peptide Vaccination Appears Promising in Newly Diagnosed GBM Patients: Preliminary Results of a Randomized Phase II Clinical Trial, AANS Annual Meeting, San Francisco, CA, 4/25/2006
- Management of Brain Metastases: Surgery v. Radiosurgery, Rocky Mountain Neurosurgical Society, Sedona, AZ, 6/11/2006
- Maximal Resection for Malignant Glioma: Why & How?, Rocky Mountain Neurosurgical Society, Sedona, AZ, 6/11/2006
- New techniques in surgery for brain tumors, Mechanisms of Neural Differentiation and Brain Tumors, The University of Texas MD Anderson Cancer Center, Lloyd Harbor, NY, 7/26/2006
- Surgical Management of Brain Metastasis, 6th International Congress of the Pan Arab Neurosurgical Society, Damascus, Syria, 9/4/2006
- Overview of the Management of Brain Metastasis, XXVI Congress of the Brazilian Neurosurgical Society, Florianopolis, Brazil, 9/14/2006
- The Comprehensive Neurosurgical Oncology Center, XXVI Congress of the Brazilian neurosurgical Society, Florianopolis, Brazil, 9/14/2006
- Aggressiveness in Treating Cerebral Metastasis - How Worthwhile?, XXVI Congress of the Brazilian Neurosurgical Society, Florianopolis, Brazil, 9/16/2006
- Cerebral Metastases - Current Management, XXVI Congress of the Brazilian Neurosurgical Society, Florianopolis, Brazil, 9/16/2006
- Radical Resection of Glioblastomas - Rationale & Technique, XXVI Congress of Brazilian Neurosurgical Society, Florianopolis, Brazil, 9/17/2006
- Microsurgery versus Radiosurgery for a Single Brain Metastasis, Congress of Neurological Surgeons - Annual Meeting, Chicago, IL, 10/10/2006
- Piece Meal Resection is Associated with a Higher Rate of leptomeningeal Disease (LMD) in Patients with Posterior Fossa metastases (PFM), American Academy of Neurological Surgery - Annual Meeting, Reynolds Plantation, GA, 10/20/2006
- Fox M1B is Overexpressed in Human Glioblastomas and Critically Regulates the Tumorigenicity and Invasion of Gliomas Cells, Society of Neuro-Oncology - 11th Annual Meeting, Orlando, FL, 11/2006
- Finesse of Intracranial Metastatic Tumor and Glioma Surgery, Southern Neurosurgical Society - Annual Meeting, Sea Island, GA, 3/15/2007
- Awake Craniotomy for Brain Tumors near Eloquent Cortex: Correlation of Intraoperative Cortical Mapping with Neurological Outcome in 300 Consecutive Patients, AANS - Annual Meeting, Washington, DC, 4/2007
- Brain Metastases, AANS Annual Meeting, Washington, DC, 4/15/2007
- The Effect of Extent of Tumor Resection on Patient Outcome in Neurosurgery, AANS Annual Meeting, Washington, DC, 4/17/2007
- Piece meal resection is associated with a higher rate of leptomeningeal disease in patients with posterior fossa metastases, American Radium Society 89th Annual Meeting, Amsterdam, Netherlands, 5/8/2007

- Treatment strategies for brain metastases in non-small cell lung cancer, 43rd Annual Meeting of the American Society of Clinical Oncology, Chicago, IL, 6/3/2007
- The impact of intraoperative high-field magnetic resonance imaging on clinical decision making during oncologic neurosurgical procedures, 43rd Annual Meeting of the American Society of Clinical Oncology, Chicago, IL, 6/5/2007
- Surgical Management of brain metastasis, 2nd International meeting on Updates in Neuro-Oncology, Cortona, Italy, 6/30/2007
- Management of Glioblastoma: Current State-of-the-Art, 2nd Brazilian Congress of Neuro-Oncology, Sao Paulo, Brazil, 8/10/2007
- Management of Metastatic Tumors, 2nd Brazilian Congress of Neuro-Oncology, Sao Paulo, Brazil, 8/10/2007
- Malignant Gliomas: Future Treatment Alternatives, 2nd Brazilian Congress of Neuro-Oncology, Sao Paulo, Brazil, 8/11/2007
- Overview of the Management of Brain Metastasis, 3rd Symposium of the Neuro-Oncologic Section of the Society of Cancerology of the Argentine Medicine Association, Buenos Aires, Argentina, 8/13/2007
- Role of Surgery in the Management of Glioblastomas, 3rd Symposium of the Neuro-Oncologic Section of the Society of Cancerology of the Argentine Medicine Association, Buenos Aires, Argentina, 8/13/2007
- Complications of Stereotactic Radiosurgery for One or Two Brain Metastases, Congress of Neurological Surgeons Annual Meeting, San Diego, CA, 9/2007
- Effectiveness of Intraoperative Magnetic Resonance Imaging for Brain Tumor Resections: Preliminary Experience at MD Anderson Cancer Center, Congress of Neurological Surgeons Annual Meeting, San Diego, CA, 9/2007
- Surgical Outcomes of Multiple Brain Metastases: Analysis of 202 Patients, Congress of Neurological Surgeons - Annual Meeting, San Diego, CA, 9/2007
- Surgical Treatment of Brain Metastases, 13th European Congress of Neurosurgery, Glasgow, Scotland, 9/7/2007
- Bone marrow derived mesenchymal stem cells are recruited to and alter the growth of human gliomas, American Academy of Neurological Surgery, Henderson, NV, 10/2007
- Role of surgery for glioblastoma: why and how?, Grand Rounds, Nippon Medical School, Tokyo, Japan, 11/16/2007
- Intraoperative MRI for brain tumor resections: Six-month experience at M. D. Anderson Cancer Center, WFNS 13th Interim Meeting, Nagoya, Japan, 11/18/2007
- Role of the neurosurgeon in the management of brain metastasis, Egyptian Society of Neurological Surgeons, Luxor, Egypt, 2/29/2008
- Surgical resection of glioblastoma: why and how, Egyptian Society of Neurological Surgeons, Luxor, Egypt, 2/29/2008
- Brain metastasis: an overview, AANS, Chicago, IL, 4/27/2008
- Conventional surgery versus stereotactic radiosurgery in the treatment of single brain metastases: a prospective study with both randomized and non-randomized arms, AANS, Chicago, IL, 4/28/2008
- Impact of surgery on the leptomeningeal dissemination (LMD) of supratentorial brain metastasis (SBM), AANS, Chicago, IL, 4/29/2008
- Impact of Surgery on Leptomeningeal Dissemination (LMD) of Supratentorial Brain Metastasis (SBM), American Radium Society, Laguna Niguel, CA, 5/4/2008

Role of the Neurosurgery in the Surgical Management of Brain Metastasis, 13th Meeting of the Syrian Society of Neurological Surgeons, Damascus, Syria, 6/4/2008

Resection of Glioblastoma, 13th Meeting of the Syrian Society of Neurological Surgeons, Damascus, Syria, 6/5/2008

The Comprehensive Neuro-Oncology Center, First Joint Symposium on Neuro-Oncology/Neurosurgery, University of Puerto Rico, San Juan, PR, 8/23/2008

Resection of glioblastoma, IV Scientific Congress of Society of Nervous System Surgery, Antalya, Turkey, 11/9/2008

Role of the neurosurgeon in the management of brain metastasis, IV Scientific Congress of Society of Nervous System Surgery, Antalya, Turkey, 11/9/2008

Surgical Management of brain metastasis, 2nd International Levantine Forum " Advances in Neurological Surgery," , Antalya, Turkey, 11/14/2008

"Management of Brain Metastasis: An Overview.," South Carolina Neuroscience Symposium, Greenville, SC, 2/21/2009

Glioblastoma Resections: Why and How?, South Carolina Neuroscience Symposium, Greenville, SC, 2/21/2009

Advances in Surgery as Part of Multidisciplinary Care., International Neuro-Oncology Symposium, Sao Paulo, Brazil, 3/20/2009

Advances in Surgical Resections, International Neuro-Oncology Symposium, Sao Paulo, Brazil, 3/20/2009

Brain Metastases: Resection vs. SRS, International Neuro-Oncology Symposium, Sao Paulo, Brazil, 3/20/2009

The Role of Neurosurgery in Brain Metastasis, American Association for Cancer Research, Denver, CO, 4/19/2009

Impact of Intraoperative High-Field Magnetic Resonance Imaging on Volumetric Extent of Resection in Glioma Patients, American Radium Society, Vancouver, British Columbia, Canada, 4/28/2009

Effect of intraoperative high-field magnetic resonance imaging in glioma surgery: a prospective volumetric analysis, AANS, San Diego, CA, 5/2009

Outcome of patients with brainstem metastases treated with stereotactic radiosurgery, AANS, San Diego, CA, 5/2009

The multidisciplinary neuro-oncology center, Catholic University of Korea, Seoul, Korea, Republic of, 5/29/2009

Surgical management of brain metastases, 50th Anniversary of the Department of Neurosurgery, Korea University, Seoul, Korea, Republic of, 5/30/2009

Intraoperative MRI: When?, Clinica Alemana, Santiago, Chile, 7/31/2009

Surgery: Biopsy or resection?, Clinica Alemana, Santiago, Chile, 7/31/2009

Complications in Neurosurgery, Management, Avoidance and Philosophical Aspects, WFNS, Boston, MA, 9/1/2009

The Surgical Management of Lateral Ventricle Metastasis, WFNS, Boston, MA, 9/2/2009

Management of Brain Metastasis: Neurosurgical Aspects, Japan Neurosurgical Society, Tokyo, Japan, 10/14/2009

Molecularly Guided Glioma Therapy: From Gene Therapy to Immunotherapy, Japan Neurosurgical Society, Tokyo, Japan, 10/14/2009

Multiple Craniotomies in the Management of Multicentric High-Grade Gliomas, American Academy of Neurological Surgery, Palm Beach, FL, 11/7/2009

- Sawaya R. Presidential Address "Anatomy of a comprehensive multi-disciplinary neuro-oncology center," American Radium Society, Cancun, Mexico, 5/2/2010
- Sawaya R. Molecularly-guided glioma therapy: from gene therapy to immunotherapy, Washington State Neurosurgical Society, Winthrop, WA, 5/22/2010
- Surgery for brain metastases, International Symposium on Long-Term Control of Secondary Nervous System Malignancies, Cleveland, OH, 6/10/2010
- Surgery vs Radiosurgery, International Symposium on Long-Term Control of Secondary Nervous System Malignancies, Cleveland, OH, 6/10/2010
- Surgical management of brain metastases: a 15-year perspective, 9th International Meeting Updates in Neuro-Oncology, Cortona, Italy, 7/2/2010
- Impact of surgical methodology on the functional outcomes of patients with single brain metastasis, 14th Congress of the European Federation of Neurological Societies, Geneva, Switzerland, 9/2010
- Brain Metastases: Resections and Techniques, 5th International Symposium on Microneurosurgical Anatomy, Istanbul, Turkey, 11/6/2010
- Intraventricular Metastases, 5th International Symposium on Microneurosurgical Anatomy, Istanbul, Turkey, 11/6/2010
- Neurosurgical Management of Brain Metastases: A Personal Perspective, AANS, Denver, CO, 4/11/2011
- Surgery for Gliomas Adjacent to Motor Cortex and Factors Influencing Surgical Management in 365 Cases, AANS, Denver, CO, 4/12/2011
- Complications following intrinsic brain tumor resections, Neurosurgery 2011 in the Wine Country, UCSF, Napa, CA, 8/5/2011
- Management of brain metastases, Neurosurgery 2011 in the Wine Country, UCSF, Napa, CA, 8/6/2011
- Striving to improve survival: current management of brain metastases, Congress of Neurological Surgeons, Washington, DC, 10/3/2011
- Surgical management of metastatic tumors of the brain, Congress of Neurological Surgeons, Washington, DC, 10/3/2011
- Evidence-based management of brain metastases, Congress of Neurological Surgeons, Washington, DC, 10/4/2011
- Management of brain metastasis: a personal perspective, Merck, 70th Annual Japan Neurosurgical Society, Yokohama, Japan, 10/13/2011
- Maximal resection of glioblastoma: why and how, 70th Annual Japan Neurosurgical Society, Yokohama, Japan, 10/13/2011
- Surgery vs. radiosurgery for the treatment of mid-sized brain metastasis, American Academy of Neurological Surgeons, Scottsdale, AZ, 10/22/2011
- Advances for the surgery of primary and secondary brain tumors, Neurosurgery Resident Review Course: Neuro-Oncology, 47th Annual Congress of the Canadian Neurological Sciences Federation Education Day, June 6-8, Ottawa, Ontario, Canada, 2012
- Complications and their avoidance in parenchymal brain tumor surgery, Plenary Session 1. 29th Congress of the Brazilian Society of Neurosurgery, September 7-12, Rio de Janeiro, Brazil, 2012
- Contemporary training program for residents in neurosurgery, 29th Congress of the Brazilian Society of Neurosurgery, September 7-12, Rio de Janeiro, Brazil, 2012
- Current and future trends in brain metastasis management, Plenary Session 2. 29th Congress of the Brazilian Society of Neurosurgery, September 7-12, Rio de Janeiro, Brazil, 2012

Current and Future Trends in the Management of Brain Metastases, South Carolina Association of Neurological Surgeons Annual Meeting, November 9-10, Columbia, SC, 2012

Evidence for radical surgery in gliomas, Oncology SE7 Session. 29th Congress of the Brazilian Society of Neurosurgery, September 7-12, Rio de Janeiro, Brazil, 2012

Maximal Safe Resection of Glioblastoma: Why and How, South Carolina Association of Neurological Surgeons Annual Meeting, November 9-10, Columbia, SC, 2012

Structure and objectives of residency in Neurosurgery in the USA, Plenary Session 2. 29th Congress of the Brazilian Society of Neurosurgery, September 7-12, Rio de Janeiro, Brazil, 2012

Surgery for brain metastases, Surgical and Radiation Therapy of Brain Metastases Session. 14th Annual Brain Tumor Update and 3rd Annual International Symposium on Long-Term Control of Metastases to the Brain, September 22-23, Las Vegas, NV, 2012

Surgery vs. radiosurgery for brain metastases, Controversies in Management of Brain Metastases Session. Point-Counterpoint Debate. 14th Annual Brain Tumor Update and 3rd Annual International Symposium on Long-Term Control of Metastases to the Brain, September 22-23, Las Vegas, NV, 2012

The maximal safe resection of glioblastomas: why & how, PC12 Oncology Course. 29th Congress of the Brazilian Society of Neurosurgery, September 7-12, Rio de Janeiro, Brazil, 2012

Current & future trends in the management of brain metastasis, Society of British Neurological Surgeons, Aberdeen, Scotland, 4/2012

Image guided resections in gliomas, Asian Society for Neuro-Oncology (ASNO), International Guest Speaker, March 20-23, Mumbai, India, 2013

Impact of surgery in high-grade glioma, Asian Society for Neuro-Oncology (ASNO), International Guest Speaker, March 20-23, Mumbai, India, 2013

New options for management of brain metastasis, XV WFNS World Congress of Neurosurgery - Breakfast 10 Session, September 8-13, Seoul, Korea, Republic of, 2013

Surgical Management, 15th Annual Brain Tumor Update & 4th Annual International Symposium on Long-Term Control of Metastases to the Brain and Spine Symposium, November 9-10, Las Vegas, NV, 2013

Surgical treatment of brain metastasis. Presented at the Spanish Neuro-Oncology Multidisciplinary Meeting, Pamplona, Spain, October 10-11, 2013.. Surgical treatment of brain metastasis, Spanish Neuro-Oncology Multidisciplinary Meeting, October 10-11, Pamplona, Spain, 2013

Awake Craniotomy to Maximize Glioma Resection, 82nd American Association of Neurological Surgeons Annual Scientific Meeting, Plenary Session, April 5-9, San Francisco, CA, 2014

Current and future trends in the management of brain metastases, The University of Melbourne Neuroscience Seminar, October 6, Melbourne, Australia, 2014

Current Challenges in Neuro-Oncology, 1st Brain Tumor Update, July 11-12, San Salvador, El Salvador, 2014

Extent of resection & survival in glioblastoma: can we do better than gross total resection, Neurosurgical Society of Australia Scientific Meeting, October 2-4, Perth, Australia, 2014

High Grade Gliomas: Past, Present & Future, 1st Brain Tumor Update, July 11-12, San Salvador, El Salvador, 2014

Improved Outcome in Brain Tumor Surgery, The National Arab American Medical Association (NAAMA), Houston Chapter Seminar, May 10, Houston, TX, 2014

Interdisciplinary Management of Brain Metastases: Emerging Standards and Research Opportunities, The Hans-Dietrich Herrmann Lecture for Clinical & Experimental Neuro-Oncology, University of Hamburg Eppendorf, March 19-20, Hamburg, Germany, 2014

Long-Term Survival in Patients with Brain Metastases: Fact or Fallacy, American Radium Society Annual Meeting, April 25-30, St. Thomas, Virgin Islands, US, 2014

Neurosurgical Contributions to the Management of Glioblastoma, 32nd Annual Spring Meeting of the Korean Neurosurgical Society, April 17-19, Jeju, Korea, Republic of, 2014

Role of surgery for brain metastases, 19th Annual Scientific Meeting of the Society for Neuro-Oncology, November 13-16, Miami, FL, 2014

Surgical management of metastatic brain tumors, Neurosurgical Society of Australia Scientific Meeting, October 2-4, Perth, Australia, 2014

Current and Future Trends in the Management of Brain Metastases, 14th International Meeting Updates in Neuro-Oncology, July 1-4, Cortona, Italy, 2015

Extent of Resection and Survival in Glioblastoma - The MD Anderson Experience, 8th World Association of Lebanese Neurosurgeons (WALN) Home Coming Meeting, June 11-13, Beirut, Lebanon, 2015

Impact of the Extension on the Quality of Life and Survival of Patients with High and Low Grade Gliomas, Argentine Association of Neurosurgery, Society of Argentine Cancerology Joint International Course, August 6-9, Buenos Aires, Argentina, 2015

Importance of Extent of Resection in Gliomas, 83rd American Association of Neurological Surgeons & 11th Biennial Section on Tumors Satellite Symposium, May 1-6, Washington, DC, 2015

Keynote Speaker, School of Medicine 2015 Hooding Ceremony, Lebanese American University Faculty of Medicine, Byblos Campus, June 5, Beirut, Lebanon, 2015

Role of Extent of Resection in Gliomas, 17th Annual Brain Tumor Update/6th Annual International Symposium on Long-Term Control of Metastases to the Brain and Spine, November 7-8, Las Vegas, NV, 2015

The Comprehensive Neuro-Oncology Center: Challenges and Opportunities, Argentine Association of Neurosurgery, Society of Argentine Cancerology Joint International Course, August 6-9, Buenos Aires, Argentina, 2015

The MD Anderson Experience: Current Management of Brain Metastasis, Argentine Association of Neurosurgery, Society of Argentine Cancerology Joint International Course, August 6-9, Buenos Aires, Argentina, 2015

A comprehensive neuro-oncology center at MD Anderson, The Cold Spring Harbor Laboratory Course on Brain Tumors, August 2-8, Lloyd Harbor, NY, 2016

Extent of resection and survival in glioblastoma, 50th Neuro-Oncology Conference, Tokyo Women's Medical University, Waseda University Joint Institution for Advanced Biomedical Sciences, March 6-7, Tokyo, Japan, 2016

How much glioma surgery is enough?, 67th Southern Neurosurgical Society Annual Meeting, March 2-5, San Antonio, TX, 2016

Role of surgery in the management of glioblastoma, The Cold Spring Harbor Laboratory Course on Brain Tumors, August 2-8, Lloyd Harbor, NY, 2016

Surgery for brain metastasis: is it still necessary?, Society for Neuro-Oncology Latin America 2016 Update on Neuro-Oncology, March 24-26, Rio de Janeiro, Brazil, 2016

Other, Including Scientific Exhibitions

Adjuvant radiotherapy after surgical resection of single brain metastases: an analysis of 358 patients by primary tumor site, Society of Neuro-Oncology's 12th Annual Scientific Meeting, Dallas, TX, 11/2007

Bone marrow-derived mesenchymal stem cells are recruited to and alter the growth of human gliomas, 5th Meeting of the Asian Society for Neuro-Oncology, Istanbul, Turkey, 11/2007

Comparative risk of leptomeningeal dissemination (LMD) of cancer after surgery versus stereotactic radiosurgery (SRS) for supratentorial brain metastases (SBM), 5th Meeting of the Asian Society for Neuro-Oncology, Istanbul, Turkey, 11/2007

Human bone marrow-derived mesenchymal stem cells as delivery vehicles for glioma therapy: in vivo functional analyses using bioluminescence imaging, Society for Neuro-Oncology's 12th Annual Scientific Meeting, Dallas, TX, 11/2007

Intraoperative magnetic resonance imaging for brain tumor resections: six-month experience at M. D. Anderson Cancer Center, 5th Meeting of the Asian Society for Neuro-Oncology, Istanbul, Turkey, 11/2007

Risk of Leptomeningeal Dissemination (LMD) of cancer after surgery versus stereotactic radiosurgery (SRS) for supratentorial brain metastases (SBM), 12th Asian Australasian Congress of Neurosurgical Surgeons/World Federation of Neurosurgical Societies, 13th Interim Meeting, Nagoya, Japan, 11/2007

Temozolomide therapy induces an increase in regulatory T-cells without abrogating a specific tumor antigen immune response in patients with GBM, Society for Neuro-Oncology's 12th Annual Scientific Meeting, Dallas, TX, 11/17/2007

Factors Influencing the Risk of Local Recurrence Following Resection of a Single Brain Metastasis, Congress of Neurological Surgeons, Orlando, FL, 9/2008

Impact of Intraoperative High-Field Magnetic Resonance Imaging on Volumetric Extent of Resection in Glioma Patients, Congress of Neurological Surgeons, Orlando, FL, 9/2008

Impact of Surgical Excision Methodology on the Incidence of Local Recurrence in Patients with Single Brain Metastasis (SBM) Who Have Not Received Adjuvant Whole-Brain Radiation Therapy (AWBRT), 8th meeting of the European Association of Neuro-Oncology, Barcelona, Spain, 9/2008

Palliative Surgery for Patients with Multiple Brain Metastases, International Neuro-Oncology Symposium, Sao Paulo, Brazil, 3/20/2009

Low Grade Gliomas: Conservative vs. Aggressive Treatment: A Debate, WFNS, Boston, MA, 9/1/2009

Glioma cancer stem cells induce immune suppressive macrophages, American Association for Cancer Research, Washington, DC, 4/2010

Cytomegalovirus Subverts the Monocyte Lineage to Become Glioma Propagating, Society for Neuro-Oncology, Garden Grove, CA, 11/2011

Surgery vs. radiosurgery for mid-sized brain metastases, American Radium Society Annual Meeting, April 29-May 2, Las Vegas, NV, 2012

Brain metastases in patients diagnosed with a solid primary cancer during childhood: experience from a single referral cancer center, American Radium Society 95th Annual Meeting, Scientific Session 1: CNS Tumors, April 27-May 1, Scottsdale, AZ, 2013

Long-term survival in patients with glioblastoma multiforme: frequency and prognostic factors, The American Academy of Neurological Surgery Annual Meeting, September 14-17, Jackson Hole, WY, 2016

Seminar Invitations from Other Institutions

Brain tumors and the fibrinolytic enzyme system, University of Pittsburgh, Pittsburgh, PA, 9/1985

YAG Laser in General Surgery, Gastroenterology, Neurosurgery and Otolaryngology, Kuakini Medical Center, Honolulu, HI, 6/1988

Stereotactic radiosurgery, The University of Texas Medical School, Houston, TX, 4/1/1992

Stereotactic radiosurgery and the trends in Neurosurgical oncology, Orlando Cancer Center, Orlando, FL, 6/25/1992

Pathophysiology of radiation necrosis, Johns Hopkins University of Baltimore, Baltimore, MD, 2/1/1994

Management of third ventricle tumors, Neurosurgery Grand Rounds, Johns Hopkins University, Baltimore, MD, 2/2/1994

Current concepts in the management of brain metastases, Tyler Neurological Associates, Tyler, TX, 9/12/1994

Management of metastatic brain tumors, Northwestern University Medical School, Chicago, IL, 10/1/1994

Management of brain metastasis: An evolving perspective, Catholic University Hospital, Seoul, Korea, Republic of, 10/1/1995

Proteases in brain tumors: Relationship to prognosis and invasiveness., Korean University, Seoul, Korea, Republic of, 10/1/1995

The surgical management of brain tumors: 1996, Texas Neurosciences Institute, San Antonio, TX, 2/16/1996

Advances in image-guided surgery: Overview and applications for intrinsic brain tumors, Image-Guided Surgery Mini Course, Elekta Instruments, Inc., Houston, TX, 3/3/1997

Management of brain metastasis: An evolving perspective, UC at Irvine, Irvine, CA, 5/30/1997

The surgical management of intrinsic brain tumors: Accessibility and resectability, St. Francis Hospital Cancer Center, Hartford, CT, 11/19/1997

Brain tumor surgery: The role of MRI imaging - Presentation to the V.A. Medical Center Radiology, V. A. Medical Center, Houston, TX, 8/1/1999

Advances in Surgical Resection of Pediatric Brain Tumors, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia, 3/1/2004

Management of Brain Tumors: Technology versus Biology, Texas Children's Hospital, Houston, TX, 5/26/2005

Malignant Gliomas: Evidence in Favor of Radical Surgery, Clinical & Technical Advances in the Management of Primary and Secondary neoplasms of the Brain & Spine: A Multi-Disciplinary Approach with a Focus on Evidence-Based Medicine, University of Pittsburgh, Hillman Cancer Center, Pittsburgh, PA, 9/10/2005

Surgery versus Radiosurgery for Brain Metastasis, Clinical & Technical Advances in the Management of Primary and Secondary Neoplasms of the Brain & Spine: A Multi-Disciplinary Approach with a Focus on Evidence-Based Medicine, University of Pittsburgh, Hillman Cancer Center, Pittsburgh, PA, 9/10/2005

Advances in the Resection of Gliomas, New Frontiers in Medicine Management - Challenges for the 21st Century, University of Texas, Graduate School of Biomedical Sciences, Houston, TX, 11/18/2005

The Role and Regulation of Suppressors of Cytokine Signaling in Melanoma Brain Metastasis, Annual Scientific Poster Contest, University of Texas, Graduate School of Biomedical Sciences, Houston, TX, 11/18/2005

Extent of Resection and Survival for Glioblastoma: Biology versus Technology, Michael E. DeBakey Department of Surgery Grand Rounds, Baylor College of Medicine, Houston, TX, 11/29/2006

Glioblastoma Resections: Why and How?, South Carolina Neuroscience Symposium, Greenville, SC, 2/21/2009

Management of brain metastasis: An overview, South Carolina Neuroscience Symposium, Greenville, SC, 2/21/2009

Molecularly guided glioma therapy: from gene therapy to immunotherapy, Ain Shams University, Cairo, Egypt, 4/14/2010

Surgical approaches & outcomes for tumors in eloquent brain locations, Ain Shams University, Cairo, Egypt, 4/14/2010

Management of brain metastasis: A personal perspective, Fred Hutchinson Cancer Research Center & Seattle Cancer Care Alliance, Seattle, WA, 8/18/2011

Management of brain metastases: current and future trends, Winship Cancer Institute of Emory University, Grand Rounds, February 13, Atlanta, GA, 2013

Maximal safe resection of glioblastoma: why and how?, Emory University, Department of Neurosurgery Grand Rounds, February 14, Atlanta, GA, 2013

Surgical Management of Brain Metastases, 2015 Brain Tumor Symposium, Focused Forward: New Thoughts on Brain Tumor Treatment, Henry Ford Medical Center, April 23-24, Detroit, MI, 2015

Surgical Management of Brain Metastases, St. John Medical Center Cancer Symposium: Comprehensive Management of Brain Tumors, September 17-18, Tulsa, OK, 2015

Techniques in Brain Tumor Surgery: An Overview, St. John Medical Center Cancer Symposium: Comprehensive Management of Brain Tumors, September 17-18, Tulsa, OK, 2015

Current & future trends in the management of brain metastases, University of California Davis Grand Rounds, February 8-9, Sacramento, CA, 2016

How much glioma surgery is enough, Loyola University Medical Center, Residency Program Commencement Speaker, June 11, Chicago, IL, 2016

Surgical intervention for primary glioma, The James Graham Brown Cancer Center Neuro-Oncology Symposium: Management of Primary Glioma in Adults. The University of Louisville School of Medicine, July 7-8, Louisville, KY, 2016

Lectureships and Visiting Professorships

Thrombo-embolic complications and brain tumors, Chicago Neurosurgical Center, Chicago, IL, 11/1/1990

Third ventricle lesions, Michigan Association of Neurological Surgeons, Detroit, MI, 6/7/1991

Management of recurrent brain tumors, Michigan Association of Neurological Surgeons, Detroit, MI, 6/8/1991

Stereotactic surgery-radiosurgery, Michigan Association of Neurological Surgeons, Detroit, MI, 6/9/1991

Neurosurgical oncology: Trends for the future" and "Management of third ventricle lesions, Wilder Penfield Lecture, Middle East Neurosurgical Society, Wilder Penfield Lecture, Beirut, Lebanon, 5/7/1992

Management of brain metastasis: An overview, George Washington University Medical Center, Washington, DC, 2/16/1994

New concepts in the management of brain metastases, Julie and Ben Rogers Cancer Institute, Beaumont, TX, 9/15/1994

Neurosurgical management of brain tumors: Biologic determinants, State University of New York Health Science Center, Syracuse, NY, 4/30/1997

Neurology Grand Rounds, Case presentation, Marshfield Clinic, Marshfield, WI, 5/22/1998

Surgical advances in the context of the multidisciplinary brain tumor center, Marshfield Clinic, Marshfield, WI, 5/22/1998

Brain metastasis: Are they ever inoperable, Cedars-Sinai, Los Angeles, CA, 10/14/1998

Third ventricle lesions: Issues in management, Cedars-Sinai, Irvine, CA, 10/14/1998

The comprehensive neuro-oncologic center: challenges and opportunities, Grand Rounds of the Assad University Hospital, Damascus, Syria, 5/10/2000

Primary and Metastatic Brain Tumors: Does Surgery Really Help?, LSU Medical School, Shreveport, LA, 7/12/2000

The Comprehensive Neuro-Oncologic Center: Opportunities and Challenges, Grand Rounds, The University of Arkansas, Department of Neurosurgery, Little Rock, AR, 8/29/2000

How Does Modern Neuroscience Contribute to the Overall Results of Brain Tumor Treatment: Surgery for Glioma?, Japanese Congress for Brain Tumor Surgery, Yamagata, Japan, 9/1/2000

Surgical Management of Third Ventricular Masses, The Kyushu University, Fukuoka, Japan, 9/20/2000

The Comprehensive Neuro-Oncologic Center: Opportunities and Challenges, The University of Utah, Salt Lake City, UT, 2/21/2001

Brain Metastasis: Controversy in Management, The University of Miami, Miami, FL, 3/15/2001

Approaches to tumors of the 3rd ventricle, The University of Miami, Miami, FL, 3/17/2001

Challenges in developing a comprehensive neuro-oncology program, The University of Miami, Miami, FL, 3/17/2001

Resection of Glioblastoma: Paul Bucy Revisited, The Donlin M. Long Scientific Symposium, Baltimore, MD, 7/28/2001

Management of Brain Metastasis: An Evolving Perspective, The University of Pittsburgh Medical Center Neurol, Pittsburgh, PA, 12/6/2001

The Role of Resection in the Management of Glioblastoma, The University of Pittsburgh, Pittsburgh, PA, 12/6/2001

Brain Metastasis: A Neurosurgical Perspective, Stanford University Medical Center, Stanford, CA, 2/1/2002

Resident Teaching Didactic Session on Brain Tumors, Stanford University Medical Center, Stanford, CA, 2/1/2002

Impact of Neurosurgical Oncology on Malignant Brain Tumors, The University of California, Los Angeles, CA, 4/1/2002

Management of Brain Metastasis: An Evolving Perspective, University of California, Los Angeles, CA, 4/1/2002

Can Glioblastoma be Surgically Cured? - Paul Bucy Revisited, Frank H. Mayfield Society, Cincinnati, OH, 6/6/2003

The Neurosurgical Oncology Center: Challenges and Opportunities, Frank H. Mayfield Society, Cincinnati, OH, 6/6/2003

Advances in Surgical Therapy for Malignant Gliomas, Clinic de Neurochirurgie, Geneva, Switzerland, 6/18/2003

Procoagulation and Necrosis in Glioblastoma, Clinic de Neurochirurgie, Geneva, Switzerland, 6/19/2003

Management of Brain Metastasis: Who is the Captain of the Ship?, John Green Guest Lecture, Barrow Neurological Institute, Phoenix, AZ, 12/5/2003

Management of Brain Metastasis: Who Is in Charge?, Weill Medical College Of Cornell University, New York, NY, 2/9/2004

Management of Brain Metastasis: Who Is in Charge, 10th Annual Sandie Altman Memorial Lecture, University of Pennsylvania, Philadelphia, PA, 2/12/2004

Management of Brain Metastasis: Who is in Charge?, CNI Center for Brain and Spinal Tumors, Englewood, CO, 9/30/2005

Maximal Resection of Malignant Gliomas: Why and How?, Cedars-Sinai Hospital, Neurosurgery, Los Angeles, CA, 1/25/2007

Neurosurgical Management of Metastatic Tumors to the Central Nervous system, Grand Rounds, Cedars-Sinai, Neurosurgery, Los Angeles, CA, 1/26/2007

Surgical Management of Malignant Gliomas: Biology versus Technology, Grand Rounds, Thomas Jefferson University, Surgery, Philadelphia, PA, 4/6/2007

Surgical Management of Glioblastoma: Biology versus Technology, Grand Rounds, Allegheny General Hospital, Neurosurgery, Pittsburgh, PA, 3/26/2008

Surgical management of glioblastoma: biology versus technology, Grand Rounds, Stanford University, Surgery, Palo Alto, CA, 4/18/2008

Role of the Neurosurgery in the Surgical Management of Brain Metastasis, University of Arkansas Medical School, Neurosurgery, Little Rock, AR, 6/21/2008

The Comprehensive Neurosurgical Oncology Center, Visiting Professor, Albany Medical College, Neurosurgery, Albany, NY, 9/3/2008

Management of Brain Metastasis: An Overview, Charles Eckert Distinguished Lectureship, Albany Medical College, Neurosurgery, Albany, NY, 9/4/2008

Maximizing Glioblastoma Resections: Why & How?, Visiting Professor, Istituto Tumori Besta, Neurosurgery, Milan, Italy, 9/29/2008

Neuro-Oncology: An Indispensable Partner, Keynote address, Society of Neuro-Oncology and AANS/CNS Section on Tumors, New Orleans, LA, 10/23/2009

The Comprehensive Neuro-Oncology Center: Challenges and Opportunities, Temple University, Philadelphia, PA, 10/29/2009

Maximal Resection of Glioblastoma: Why & How?, Grand Rounds, Henry Ford Medical Group, Neurosurgery, Detroit, MI, 6/4/2010

Maximal Resection of Glioblastoma: Why & How?, Grand Rounds, University of Illinois at Chicago, Neurosurgery, Chicago, IL, 6/11/2010

Maximal resection of glioblastoma: Why and how, Johns Hopkins Medical School, Neurosurgery, Baltimore, MD, 3/17/2011

Maximal Resection of Glioblastoma: Why and How, Grand Rounds, The University of Texas Medical Branch, Neurosurgery, Galveston, TX, 4/20/2011

Maximal Resection of Glioblastoma: Why and How, School of Medicine at the University of Texas Health Science Center, Neurosurgery, Houston, TX, 4/21/2011

Current & future trends in the management of brain metastasis, 2013 Annual Charles Taylor Visiting Professor Lecture, University of Calgary, Division of Neurosurgery, Department of Clinical Neurosciences, June 6-7, Calgary, Alberta, Canada, 2013

Maximal safe resection for glioblastoma: why and how, 2013 Annual Charles Taylor Visiting Professor Lecture, University of Calgary, Division of Neurosurgery, Department of Clinical Neurosciences, June 6-7, Calgary, Alberta, Canada, 2013

Current & future trends in the management of brain metastases, Stanford University Hospital, Neurosurgery, Stanford, December 3-4, CA, 2015

Extent of resection in GBM: where do we draw the line, St. Louis University Hospital Grand Rounds, August 23-24, St. Louis, MO, 2016

Other Presentations at State and Local Conferences

Cancer in the Nervous System, 34th Annual Clinical Conference, M. D. Anderson Cancer Center, Houston, TX, 11/1990

Surgery, 23rd Annual Special Pathology Program, M. D. Anderson Cancer Center, Houston, TX, 11/1990

Third Ventricle Tumors, Houston Neurological Society, Houston, TX, 9/1991

Trends in neurosurgical oncology, Spohn Hospital Neuro-Oncology Symposium, Spohn Hospital, Corpus Christi, TX, 6/12/1993

Stereotactic Brain Irradiation, Update on the Therapy of Brain Tumors, Texas Radiological Society, M. D. Anderson Cancer Center, Houston, TX, 8/1993

Spring 1995 Mini-Internship Program, Harris County Medical Society, Houston, TX, 4/4/1995

Brain Tumors, Taking the Right Road to Cancer, M. D. Anderson Cancer Center, Houston, TX, 10/1995

Fall 1996 mini-internship program, Harris County Medical Society, Houston, TX, 10/22/1996

The surgical management of intrinsic brain tumors: Accessibility and resectability, 40th Annual Clinical Conference, M. D. Anderson Cancer Center, Houston, TX, 3/2/1997

Management of multiple intracerebral metastases and surgical management of malignant astrocytoma, Texas Association of Neurological Surgeons, Houston, TX, 5/16/1997

MD Anderson experience with multiple intracerebral metastases and malignant astrocytoma, 130th Annual Session, Texas Medical Association, Houston, TX, 5/16/1997

Brain tumors: An overview, Fort Bend Board of Directors, American Cancer Society, Sugarland, TX, 5/20/1997

Spring 1999 Mini-internship program, Harris County Medical Society, Houston, TX, 6/15/1999

Fall 1999 mini-internship program, Harris County Medical Society, Houston, TX, 10/19/1999

Is My Brain Tumor Operable?, Houston Area Brain Tumor Network, M. D. Anderson Cancer Center, Houston, TX, 8/7/2001

Fall 2001 Mini-Internship Program, Harris County Medical Society, Houston, TX, 10/11/2001

Primary and Metastatic Brain Tumors: The Clinical Spectrum, Multidisciplinary Cancer Research - The M. D. Anderson Mode of Patient Care, Foundations of Clinical Cancer Research Symposium, M. D. Anderson Cancer Center, Houston, TX, 3/22/2002

Advances in the Resection of Gliomas, New Frontiers in Medicine Management Challenges for the 21st Century, Baylor College of Medicine, Houston, TX, 11/18/2005

Surgical Management of Brain Metastasis, Texas Association of Neurological Surgeons, Houston, TX, 5/5/2006

The Role of Intraoperative MRI in the Resection of Gliomas, Texas Association of Neurological Surgeons Annual Meeting, Austin, TX, 2/27/2009

Multiple Craniotomy for GBM, 3rd Annual Texas Neurosurgical Residency Training Program All-State Conference, Texas Neurosurgery Training Programs, 1/23/2010

Chairman's Summary, External Advisory Board External Program Review, MD Anderson Cancer Center, Neurosurgery, Houston, TX, 9/22/2010

Neurosurgery and Brain Tumor Center - History and Organization, External Advisory Board External Program Review, MD Anderson Cancer Center, Neurosurgery, Houston, TX, 9/22/2010

Surgery of Brain Tumors, Training in Brain Tumor Research Seminar Series, Brain Tumor Center, MD Anderson Cancer Center, Neurosurgery, Houston, TX, 9/26/2011

Techniques in brain tumor surgery, Texas State Assembly of Association of Surgical Technologists, Houston, TX, 10/16/2011

Current & future trends in the management of brain metastasis, 2012 Samuel J. Hassenbusch, III Lectureship at the Texas Association of Neurological Surgeons Annual Meeting, March 3, Houston, TX, 2012

New techniques in surgery of brain tumors, The Department of Neuro-Oncology Core Curriculum Lecture Series, July 23, The University of Texas MD Anderson Cancer Center, Houston, TX, 2012

Overall organizational infrastructure, Brain Tumor Program Strategic Retreat, The University of Texas MD Anderson Cancer May 12, Houston, TX, 2012

Year in review, Department of Neurosurgery Conference, June 22, Baylor College of Medicine, Houston, TX, 2012

New Techniques in Surgery of Brain Tumors, The Department of Neuro-Oncology Fellowship Training Program Core Curriculum Lecture Series, August 5, The University of Texas MD Anderson Cancer Center, Houston, TX, 2013

Overall oraganizational infrastructure, Brain Tumor Center Research Retreat, May 11, The University of Texas MD Anderson Cancer Center, Houston, TX, 2013

Panel of Experts, Together in Hope: A Conference for Brain Tumor Patients and Their Families, August 9-11, The University of Texas MD Anderson Cancer Center, Houston, TX, 2013

Year in Review, Department of Neurosurgery Conference, June 21, Baylor College of Medicine, Houston, TX, 2013

Brain Tumor Center "An Update," Brain Tumor Center (BTC) Faculty Meeting, MD Anderson Cancer Center, September 24, Houston, TX, 2014

Improving Outcomes Through Hospital Safety, Baylor College of Medicine, President's Circle Seminar, January 21, Houston, TX, 2014

Interdisciplinary Management of Brain Metastases Emerging Standards and Research Opportunities, Houston Methodist Hospital, Neurosurgery Department Grand Rounds, March 28, Houston, TX, 2014

Techniques in Brain Tumor Surgery, Radiology Pros Lecture, Shriners Children's Hospital, June 14, Houston, TX, 2014

Sawaya R.. The Comprehensive Neuro-Oncology Center: Challenges and Opportunities, Department of Neuro-Oncology Fellowship Training Program Core Curriculum Lecture Series, July 28, The University of Texas MD Anderson Cancer Center, Neuro-Oncology, Houston, TX, 2014

Year in Review, Department of Neurosurgery Conference, Baylor College of Medicine, June 20, Houston, TX, 2014

Advances in Brain Cancer Research, Rose Foundation, Special Guest Speaker, February 24, Houston, TX, 2015

Medical Panel of Experts, 27th Annual Cancer Survivorship Conference, September 25-26, Houston, TX, 2015

Panel of Experts, Together in Hope: A Conference for Brain Tumor Patients and Their Families, April 25-26, The University of Texas MD Anderson Cancer Center, Houston, TX, 2015

Techniques in Brain Tumor Surgery, Radiology Pros Winter Radiology Seminar, Shriners Children's Hospital, February 21, Houston, TX, 2015

The Comprehensive Neuro-Oncology Center: Challenges and Opportunities, Neuro-Oncology Core Curriculum Lecture Series, MD Anderson Cancer Center, November 30, Houston, TX, 2015

Anatomy of Leadership from Abraham Lincoln, 10th Annual Kempfer Functional Neuroanatomy Seminar, April 8, Houston, TX, 2016

Brain Tumor Surgery, Radiology-Pros Summer Radiology Seminar, Shriners Children's Hospital, June 25, Houston, TX, 2016

History of the Neurosurgery Department at MD Anderson Cancer Center, Chairman Emeritus Breakfast Conference, Baylor College of Medicine, August 31, Houston, TX, 2016

Overview of Brain Metastasis Program, MD Anderson Cancer Center, Brain Metastasis Scientific Retreat, May 21, Houston, TX, 2016

PROFESSIONAL MEMBERSHIPS/ACTIVITIES

Professional Society Activities, with Offices Held

National and International

Johns Hopkins Alumni Association, Baltimore, MD
Member, 1/1981-present

Congress of Neurological Surgeons, Schaumburg, IL
Member, 1985-present
Member, Registration Committee, 1986
Member, Sergeant-At-Arms Committee, 1986-1988
Chairman, International Committee, 1988
Chairman, International Committee, Program Subcommittee, 1992-1996

American Association of Neurological Surgeons, Rolling Meadows, IL
Member, 1/1986-present

Cincinnati Society of Neurology and Neurosurgery, Cincinnati, OH
Treasurer, 1/1987-1/1990

Congress of Neurological Surgeons, Schaumburg, IL
Member, Scientific Program Committee, 1987
Member, Scientific Program Committee, 1990

North American Skull Base Society, Reston, VA
Member, Founding Member, 1/1989-1/1998

AANS/CNS Section on Tumors, Rolling Meadows, IL
Chair, Newsletter Subcommittee, 1990-1995
Member, 1990-present
Chairman, Scientific Program Committee, 1993
Chair, Awards Committee, Joint Section on Tumors, 1999-2001
Secretary-Treasurer, 2001-2003
Chairman, 2003-2005
Member - Advisory Board, 2007-present
Member, Nominating Committee, 2013-present

Frank Mayfield Society, Cincinnati, OH
Member, 1/1990-present

American Association for Cancer Research, Philadelphia, PA
Member, 1/1992-present

Society of Surgical Oncology, Arlington Heights, IL
Member, 1/1992-present

American Radium Society, Los Angeles, CA
Member, 1/1993-present
Member, Ad Hoc Long Range Planning Committee, 1/1996-12/1996
Chairman, The Constitution and Bylaws Committee, 1/1998-1/2001
Member, The Membership and Credentials Committee, 1/2000-1/2002
The Executive Committee, 1/2000-1/2002
Member, The Program Committee, 1/2004-1/2005
Member of the Nominating Committee, 1/2005-1/2006

Member of the Scientific Program Committee, 1/2005-1/2006
Member of the Janeway Lecture Committee, 1/2005-4/2007
Treasurer, 5/2006-5/2008
Chairman - Janeway Lecture Committee, 5/2007-5/2008
Member - Scientific Program Committee, 5/2007-5/2008
President-Elect, 5/2008-4/2009
President, 4/2009-4/2010
Member of the Scientific Program Committee, 5/2012-5/2013
Member, The Membership & Credentials Committee, 2015-2018

World Association of Lebanese Neurosurgeons, New York, NY
Member, 1/1993-present

The Society of Neurological Surgeons, Rolling Meadows, IL
Member, 1/1999-present
Participant in Organizational Meeting, 5/2005

ASCO, Alexandria, VA
Member, 1/2002-present
Cancer Education Committee, 2004-2007
Editorial Committee, 2004-present
Chairman, CNS Tumors Program Committee, 2006-2007
Scientific Program Committee, 2006-2007

The World Federation of Neurosurgical Societies Neuro-Oncology Committee, Geneva, Switzerland
Member, 1/2002-present
Chairman, 1/2005-1/2009

The American Academy of Neurological Surgery, Rolling Hills, IL
Member, 1/2003-present

World Federation of Neurosurgical Societies
Member, Nominating Committee, 2007-2009

Lebanese American University Medical School, New York, NY
Member, International Advisory Board, 8/2007-present

Turkish Society of Nervous System Surgery, Antalya, Turkey
Honorary Member, 11/2008

American Lebanese Medical Association (ALMA), Houston, TX
Chair, Nominations Committee, 9/2014-present

Neurosurgery Research & Education Foundation
Reviewer, 2015 Medical Student Summer Research Fellowship, 2015

American University of Beirut
Invited Member, International Advisory Council, 4/2016-4/2019

Local/State

Library Guild of the University of Cincinnati, Cincinnati, OH
Associate Member, Authors/Composers, 1/1980-1/1990

Ohio State Neurosurgical Society, Cincinnati, OH
Chairman, Membership Committee, 1/1988-1/1990

Houston Neurological Society, Houston, TX
Board of Directors, 1/1992-1/1998
President-Elect, 1/1995-1/1996
President, 1/1996-1/1997

Harris County Medical Society, Houston, TX
Member, 1/1994-present

Texas Association of Neurological Surgeons, Houston, TX
Member, 1/1994-present

Texas Medical Association, Austin, TX
Member, 1/1994-present

Southwest Oncology Group, Houston, TX
Co-Chair, Brain Cancer Committee, 1/2002-2004
Member, 1/2002-present

UNIQUE ACTIVITIES

1. Neurosurgery Oral Board Exam Mock-up. Osler Institute, Houston, TX, November 7, 1992.
2. Dr. Raymond Sawaya was interviewed by Linda Lorelle, *The Sidney Seaward Story: The Final Chapter* -- 10 p.m. news, Channel 2 (NBC), Houston, Texas, October 9, 1997.
3. Dr. Raymond Sawaya was interviewed by Susan Starns, Health Beat, *New technologies in brain surgery: The viewing wand* -- 5 p.m. news, Channel 11 (CBS), Houston, Texas, October 23, 1997.
4. Dr. Raymond Sawaya was interviewed by Christy Meyers, *The Julie Gibbs Story* -- 5 p.m. news Channel 13 (ABC), Houston, Texas, November 25, 1997.
5. Dr. Raymond Sawaya was a participant in three press conferences concerning patient, Houston Comets point guard, Kim Perrot. The 1st on February 22, 1999 concerned Ms. Perrot's public statement concerning her recent diagnosis, the 2nd on February 24, 1999 was a postoperative statement regarding the removal of a metastatic brain tumor, and the 3rd was upon Ms. Perrot's release from the hospital on February 29, 1999. These press releases generated a great deal of local and national television and newspaper coverage including an article that made the front page of the Houston Chronicle on March 1, 1999.
6. Dr. Raymond Sawaya was featured in a Debut News Release Program, *Cancer Newslines: Viewing Wand for Brain Tumors*. Produced and distributed by The University of Texas, M. D. Anderson Cancer Center, Department of Communications and UTMDACC TV. Released in April 1998. Forty (40) television stations nationwide aired the first segment of Cancer Newslines.
7. Dr. Raymond Sawaya was featured in a news release, *The Cutting Edge Medical Report*. Produced and distributed by Julie Penne of The University of Texas, M. D. Anderson Cancer Center, Department of Communications for the Discovery Channel was released in May 1998, it also aired on approximately 60 national cable channels.
8. Dr. Raymond Sawaya was interviewed by Jo LaCour of UTTV to get footage for Mr. William Elder, MDACC patient and News Anchor for WWL-TV-CBS for *The Bill Elder Story*, which was to be aired in

New Orleans, Louisiana, January 29, 1999.

9. Dr. Raymond Sawaya was interviewed by Ellen Durckel, *Brain Tumors: The Ingeborg Herrera Story*. Channel 11, Houston, Texas, aired 5 p.m. news February 3, 1999 and 6:30 a.m. news February 4, 1999

11. Hosted and organizer The 2nd Annual Milam E. Leavens, MD Distinguished Lecture given by Donlin Long, MD, PhD on 2/11/98.

12. Dr. Raymond Sawaya was interviewed by Linda Lorelle for Date Line Houston, A profile on Dr. Sawaya, which aired at 8:00 p.m. on Channel 2, March 17, 1999.

13. Host and organizer of the 3rd annual Milam E. Leavens, MD Distinguished Lectureship given by Charles B. Wilson, MD on 1/13/99.

14. Dr. Raymond Sawaya and Ms. Kristin Sawaya were featured with Carolyn Farb in *Philanthropy in Texas*, Volume 5, Issue 5. The photo was taken at the 8th Annual Carolyn Farb Lecture in Neurofibromatosis Houston, 2000.

15. Host and organizer of the 4th annual Milam E. Leavens, MD Distinguished Lecture given by Peter Jannetta, MD, DSc on 1/19/2000.

16. Dr. Raymond Sawaya was a panel expert in a National Brain Tumor Foundation, Cancer Care Inc, and Oncology Nursing Society CME teleconference workshop. This teleconference was followed by a news release from Fenton Communications and the NBTF highlight the workshop entitled, *Experts Raise Concern and Hope Over Growing Problem of Brain Metastases in Cancer Treatment—Teleconference Highlights Increasing Incidence, Need for Earlier Diagnosis, and Potential New Treatments*, February 23, 2000.

17. Dr. Raymond Sawaya was interviewed by Christy Meyers of Channel 13 Houston to get his reaction to M. D. Anderson being voted *Best Hospital in America by U.S. News & World Reports*. The segment aired at 5:00 p.m. on the Channel 13 News, on July 7, 2000.

18. Sawaya R. Panel Expert - American Association of Neurological Surgeons USA Today's Expert Panel. The panel members will receive e-mail messages routed from USA Today through the AANS office from readers who have a need for expert neurosurgical information/advise, 2000 – 2001.

19. Dr. Raymond Sawaya participated in a 30-minute *talk back* session following the production of Margaret Edson's play *Wit* at the Alley Theatre in Houston, TX. The play is regarding a college professor's struggles with late-stage ovarian cancer. Medical professionals and cancer survivors joined the actors on stage to answer questions from the audience, February 8, 2000.

20. Dr. Sawaya hosted a fund raising reception entitled *Making Brain Cancer History* at the home of Mr. Philip R. Jonsson in Dallas, TX, February 26, 2004

21. Host at The University of Texas M. D. Anderson Cancer Center Department of Neurosurgery 10th Anniversary Gala Dinner Celebration, La Colombe d'Or, Houston, TX, January 27, 2001.

22. Presented the *Anne C. Brooks Award* to Victor A. Levin, MD at The University of Texas M. D. Anderson Cancer Center, Department of Neurosurgery Symposium, Neurosurgical Oncology: The Decade Ahead, Houston, TX, January 28, 2001.

23. Presented to Ian Suk, B.Sc, BMC, *The Bill Dore' Award* during The University of Texas M. D. Anderson Cancer Center, Department of Neurosurgery Symposium Neurosurgical Oncology: The Decade Ahead, Houston, TX, January 26, 2001.

24. Dr. Sawaya was host and Chairman of the 5th Annual Milam E. Leavens Distinguished Lectureship given by John M. Tew, Jr., MD from Cincinnati, Ohio, January 17, 2001.

25. Dr. Raymond Sawaya was interviewed for his opinion on, *Open vs. Closed MRI: Options for Brain Tumor Patients*, by Melissa Minkin, National Brain Tumor Foundation, *Search Newsletter*, Issue No. 47, Spring 2001.

26. A prerecorded interview of Dr. Raymond Sawaya regarding the Symposium entitled *Neurosurgical Oncology: The Decade Ahead* aired at 4:00 pm, on KTRH Radio, Houston, Texas, January 26, 2001.

27. A story by news anchor Christi Meyers on Dr. Raymond Sawaya and Dr. Norman Leeds entitled *Double Craniotomy: Advances in Neurosurgery and Neuro-Imaging* aired at 5:00 pm on KHOU TV CBS Channel 11, Houston, Texas, January 25, 2001, at 5:00 pm on January 27, 2001 and at 8:00 am on January, 28, 2001.

28. Dr. Raymond Sawaya was interviewed by reporter Sharyl Attkisson regarding medical experts raising concerns about dura matter tissue use in brain surgery, aired at 5:30 am on CBS Morning National News, August 20, 2001.

29. Dr. Raymond Sawaya was interviewed by Silvia Castañeda of Channel 2 Houston to get his expert opinion on lung cancer with metastasis to the brain, as it would relate to the death of lead

guitarist George Harrison of the Beatles. The segment aired at 5:00 p.m. on the Channel 2 News, on November 30, 2001.

30. Dr. Raymond Sawaya was interviewed by Christy Meyers of Channel 13 News in reference to M. D. Anderson once again being named the Top Cancer Hospital in the United States by a national survey published in *U. S. News and World Reports*. The segment aired July 12, 2002 at 5:00 PM.

31. Dr. Raymond Sawaya was interviewed (November 25, 2002) by a reporter for the New York Times for his opinion on Radiosurgery.

32. DeAnn Holcomb, a reporter from Dallas Health & Fitness, interviewed Dr. Raymond Sawaya (November 11, 2002) for his opinion regarding, *Robotics in Surgery*, an article that will appear in the January issues.

33. Dr. Raymond Sawaya participated in a round table discussion with Mr. Jeff Cohen, the new Editor-in-Chief of the Houston Chronicle at The University of Texas, M.D. Anderson Cancer Center, December 2, 2002.

34. Dr. Raymond Sawaya was interviewed before and filmed during an awake craniotomy surgery for a story on patient Kevin Berra that aired on KHOU-TV Channel 11 news at 10:00 p.m. on February 8, 2002.

35. Dr Raymond Sawaya presented Dr. Charlie Wilson with a plaque in honor of Dr. Wilson's many contributions to the field of neurosurgery at a dinner in dr. Wilson's honor, San Francisco, CA, June 1, 2002.

36. Host and Organizer, The 6th Annual Milam E. Leavens Distinguished Lectureship, given by John Anthony Jane, Sr., MD, PhD on January 23, 2002.

37. An article by Laurie Tarka entitled, *Brain surgery, without knife or blood, gains favor*, in which Dr. Raymond Sawaya and other surgeons discussed the pros and cons of gamma knife surgery, appeared in the New York Times on April 29, 2003.

38. Dr. Raymond Sawaya and Dr. Deborah Blumenthal were welcomed as new Co-Chairs of the Southwest Oncology Group Brain Tumor Committee in a cover story in *ON the Brain: News from the Southwest Oncology Group Brain Tumor Committee*, May 2003.

39. Dr. Raymond Sawaya was interviewed by Elizabeth Buchanan-McCarthy of Ivanhoe Productions regarding, *The Use of the Surgi-scope Intra-operative Imaging System During Surgery*. This story, which included the surgery and recovery of an M. D. Anderson patient whose surgery, was performed with the assistance of the Surgi-scope Intra-operative Imaging System, was released to 150 different media groups over a three-month period starting January 23, 2003.

40. Dr. Raymond Sawaya was interviewed by Kristi Nakamura of News24Houston regarding the patient conference Together in Hope: A Conference for Brain Tumor Patients and their Families scheduled for that upcoming weekend at the Omni Houston. The story also featured a profile on brain tumor survivor and M. D. Anderson volunteer, Mr. Alan Lusky, who served on the conference planning committee. This special interest story aired several times (the story was planned to air 10-15 times as space allowed) during the week prior to the conference on News24Houston. March 10-14, 2003.

41. Dr. Raymond Sawaya was interviewed by Christie Meyers on April 16, 2003 regarding Stereotactic Radiation Treatment for Spine Patients. This news clip aired on April 17, 2003 on ABC/KTRK-TV at 4:00 pm

42. Host and organizer of the 7th Annual Milam E. Leavens Distinguished Lectureship given by Robert F. Spetzler, MD, Houston, TX, January 22, 2003.

43. An article expounding on the success of a fund raising reception entitled, *Making Brain Cancer History...*, which was hosted by Drs. Raymond Sawaya, Charles Conrad, Juan Fueyo, Frederick Lang and Mr. Philip R. Johnson in Dallas, Texas on February 26, 2004 was featured in the Monday, March 1, 2004 Dallas Morning News.

44. Host and organizer, The 8th Annual Milam E. Leavens Distinguished Lectureship given by Martin Weiss, MD, FACS, Houston, TX, January 28, 2004.

45. Host and organizer, The 9th Annual Milam E. Leavens Distinguished Lectureship given by Patrick J. Kelly, MD, FACS, Houston, TX, January 24, 2005

46. Participated in *Wall Breaking* for the new BrainSUITE at The University of Texas M. D. Anderson Cancer Center, Houston, TX, July 1, 2005.

47. Presented a talk titled *Physical & Emotional Reflections* on June 9, 2005 at the dedication of *Barbara's Garden* in memory of Barbara Alexander Falik. The garden is located on the 8th floor terrace of The University of Texas M. D. Anderson Cancer Ambulatory Clinical Building.

48. Served as an examiner at the Oral Board Exams for the American Board of Neurological Surgery on November 9 & 10, 2005.

49. Dr. Raymond Sawaya represented The University of Texas M. D. Anderson Cancer Center at the Houston Business Journal Awards Luncheon, Hyatt Regency Hotel, Houston, TX, October 7, 2005.

50. Dr. Raymond Sawaya completed the Discovery Group course in the Faculty Leadership Academy at The University of Texas M. D. Anderson Cancer Center, Houston, TX, December 16, 2005.

51. Interviewed by local Houston ABC Channel 13 news correspondent, Christi Myers, on March 28, 2008 regarding the upcoming "Run for the Rose" charity event to be held April 6, 2008, which funds brain cancer research and pediatric initiatives.

52. Host and organizer, The 10th Annual Milam E. Leavens Distinguished Lecture given by Jon H. Robertson, MD, Houston, TX April 4, 2006.

53. Dr. Sawaya served as co-facilitator at the Faculty Leadership Academy Session on *Leaders as Coaches* at The University of Texas M. D. Anderson Cancer Center, March 10, 2006.

54. Dr. Sawaya was the subject of the Physician Spotlight Section of the Houston Medical Journal in an article titled *Brain Power*, March 2006.

57. Interviewed by Mary Ann Azevedo for the Houston Business Journal article titled *M. D. Anderson Ushers in New High-Tech Brain Surgery Tool*, which appeared in the May 26--June 1, 2006 issue. The article describes the \$9.2 million dollar BrainSuite intraoperative MRI (iMRI) operating room, which combines image-guided surgery, iMRI visualization and data management technology, and is expected to open in July 2006.

58. Interview on the BrainSUITE which was videotaped for release October 2006 on M. D. Anderson's ACC production *Cancer Newslines*.

59. Host and organizer for the 11th Annual Milam E. Leavens Distinguished Lecture given by Peter M. Black, MD, PhD on January 24, 2007. Dr Black's talk was entitled " New Developments in Neurosurgical Oncology".

60. Attended the International Advisory Council meeting of the Lebanese American University in New York City on January 9, 2009.

61. Hosted the 12th Annual Milam E. Leavens Distinguished Lecture give by Osama Al-Mefty, MD at the Houston Neurological society meeting on February 6, 2008. The talk was entitled " Management of Meningiomas: Cure or Temporizing".

62. Hosted the 13th Annual Milam E. Leavens Distinguished Lectureship "State-of-the-Art of Pituitary Surgery 2009: Lessons learned from 1000 cases of Cushing's Disease" given by Edward Oldfield, MD on Janaury 15, 2009 at the Houston Neurological Society meeting.

63. The Comprehensive Neuro-Oncology Center, presented to potential donors at a seminar entitled "M. D. Anderson Friend-Raising Seminar,"West Palm Beach, FL, March 7, 2009.

64. Dr. Sawaya was given a certificate of recognition from William T. Butler, MD, Interim President and CEO of Baylor College of Medicine "For your tireless commitment to the creation and implementation of the Baylor College of Medicine Leadership Institute". May 2009.

65. Hosted the 14th Annual Milam E. Leavens Distinguished Lecture given by Dr. David Kline at the Houston Neurological Society meeting on January 14, 2010. The talk was entitled "Practical Brachial Plexus Anatomy for the Surgeon".

66. 2010 - Serving as a member of the Search Committee to select the President of Baylor College of Medicine, Houston, TX

67. Presided as President of the American Radium Society annual meeting in Cancun, Mexico, May 1-5, 2010

68. Dr Sawaya served as the co-director of the Society of Neurological Surgeons Boot Camp held at Baylor College of Medicine, Houston, TX, July 16-17, 2010.

69. Named in the *H Texas Magazine* as one of Houston's Top Doctors for 2011.

70. Hosted the 15th Annual Milam E. Leavens Distinguished Lecture given by Dr. Mark L. Rosenblum on January 14, 2011. The talk was titled "A 40-year personal odyssey of hope, failure, and more hope...science, surgery and sensitivity."

71. Named to the "Best Doctors in American" list for 2011-2012

72. Invited to review the neuro-oncology program at the University of Washington in Seattle, Washington, August 18-19, 2011.
73. Invited to be a reviewer for Harvard Medical School Department of Neurosurgery program review held in Boston October 31 and November 1, 2011.
74. Attended the NINDS/CNS Research Career Development Symposium "Transitioning from Residency to Research" held on October 1, 2011 in Washington, DC
75. Named to America's Top Doctors 2012.
76. Hosted the 16th Annual Milam E. Leavens Distinguished Lecture given by A. John Popp, MD, FACS on January 13, 2012. The talk was entitled "Evolving Concepts of Quality in Surgery: The Case of Carotid Endoarterectomy".
77. Hosted the 4th Annual Philip L. Gildenberg Lecture, which was presented by David W. Roberts, MD, at Baylor College of Medicine, Houston, TX, February 10, 2012. The talk was titled "A sense of where you are: stereotactic guidance and the evolution of molecular optical imaging."
78. Participant in the meeting of the Subependymoma Consortium at Columbia University Neurological Institute, New York, NY, on February 21, 2012.
79. Panelist, Helen Diller Family Cancer Research, Hubble Consortium, San Francisco, CA, December 10, 2012.
80. Hosted the 17th Annual Milam E. Leavens Distinguished Lecture given by Rolando Del Maestro, MD, PhD on January 11, 2013. The talk was entitled "Surgical Expertise in Neuro-Oncology. History, Theory and Neurosimulation: The Future".
81. Hosted the 5th Annual Philip L. Gildenberg Lectureship, which was presented by G. Rees Cosgrove, MD, at Baylor College of Medicine, Houston, TX, February 8, 2013. The talk was titled "Surgery for Intractable Psychiatric Disease".
82. Hosted the Brain Tumor Center Research Retreat, Houstonian Hotel, Houston, TX, May 11, 2013.
83. Hosted Visiting Professor Dr. Kazunari Oka, Chair Kuki General Hospital, Saitama, Japan and colleague, Dr. Terusige Toyooka, May 1-2, 2013.

84. Hosted the 18th Annual Milam E. Leavens Distinguished Lecture given by Dr. Mitchel Berger on January 17, 2014. The talk was entitled "Low Grade Gliomas, from Bench to Bedside".

85. Hosted the 6th Annual Philip L. Gildenberg Lectureship, which was presented by Dr. Tipu Z. Aziz at Baylor College of Medicine, Houston, TX, February 21, 2014. The talk was titled "Targeting the Affective Component of Pain, Deep Brain Stimulation of the Anterior Cingulate".

86. Featured in 2014 Winter Issue *LAU Matters Newsletter* (Lebanese American University), "LAU Chat: Raymond Sawaya".

87. Hosted the 19th Annual Milam E. Leavens Distinguished Lecture given by Dr. Manfred Westphal on January 16, 2015. The talk was entitled "Translational Neuro-Oncology: The Long March of the Translators".

88. Hosted the 20th Annual Milam E. Leavens Distinguished Lecture given by Dr. Henry Brem on January 15, 2016. The talk was entitled "Developing New Approaches to Brain Tumor Therapy".

89. Hosted the 25th Anniversary celebration of the creation of the Department of Neurosurgery, MD Anderson Cancer Center. Held at River Oaks Country Club, Houston, TX, January 28, 2016.

DATE OF LAST CV UPDATE

10/17/2016